Design Patent Application

WG Global Register (WG001–WG008): "Eyes of Sky" Series — Hardware-Enforced Humanitarian Shield System

Application Type: Design Patent (with Utility Patent Supplementary Claims)

International Classification: Locarno Classification — Class 14-03 (Data Processing Equipment and Peripherals); Class 23-04 (Field Apparatus and Scientific Equipment)

PCT Filing Designation: All 195 Member States of the United Nations

Applicant/Assignee: WG Global Register — Eyes of Sky Humanitarian Technology Initiative

License Declaration: Zero-fee, royalty-free, perpetual humanitarian license gifted to all 195 sovereign nations under the P-LIFE 1.00™ Constitutional AI Governance Standard

Series Designation: WG001 through WG008 (Eight-Unit Hardware Shield Series)

Standards Compliance: 3ZEROS™ Standard (Zero Camera, Zero Audio, Zero Cloud); P-LIFE 1.00™ Constitutional AI Governance Framework; IP67 Environmental Protection Rating; IEC 62368-1 Safety Standard

Field of the Invention

1. The present invention relates to the ornamental design and functional architecture of a series of eight hardware-enforced humanitarian shield units, collectively designated the WG Global Register Series (WG001–WG008), marketed and deployed under the trade designation "Eyes of Sky." More particularly, the invention relates to the visual design, physical form factor, structural configuration, and modular hardware aesthetic of ruggedized, IP67-rated, field-deployable computing chassis systems integrating solar array panels, edge computing modules based on the Nvidia Jetson Orin platform, and hardware-enforced constitutional AI governance mechanisms embodying the 3ZEROS™ and P-LIFE 1.00™ standards.

2. The invention further pertains to the ornamental configuration of humanitarian-grade computing enclosures intended for deployment by the World Health Organization (WHO), the United Nations (UN), and associated member state agencies across global humanitarian, peacekeeping, disaster relief, and public health monitoring environments, wherein the physical design of each unit in the series is optimized for visual distinctiveness, field operability, environmental resistance, and modular interchangeability.

Background of the Invention

3. Prior art in humanitarian field computing encompasses ruggedized laptops, satellite communication terminals, and portable server units. However, none of the existing designs address the convergence of constitutional AI governance architecture, zero-surveillance hardware enforcement, solar-autonomous power delivery, and modular multi-unit deployment under a unified aesthetic and functional system governed by international humanitarian law principles.

4. Existing field computing solutions deployed by international humanitarian organizations suffer from one or more of the following deficiencies: reliance on cloud-connected infrastructure that compromises data sovereignty; inclusion of passive or active audio-visual surveillance components incompatible with privacy-preserving humanitarian mandates; lack of a hardware-enforced constitutional AI governance layer; absence of a standardized multi-unit modular design language enabling cross-deployment interoperability; and failure to establish a zero-licensing-fee framework accessible to all sovereign nations equally.

5. There exists, therefore, a critical and unmet need in the prior art for a visually distinctive, legally standardized, hardware-enforced series of humanitarian computing devices whose ornamental design communicates institutional legitimacy, privacy-first architecture, and solar-autonomous operational independence — particularly in air-gapped, off-grid, and conflict-affected deployment environments.

6. The present invention addresses this need through the design of eight distinct yet architecturally harmonized units (WG001–WG008), each embodying a unified visual grammar while maintaining individual ornamental identity sufficient for independent patentability within the series.

Summary of the Invention

7. The ornamental design for the WG Global Register "Eyes of Sky" Series consists of eight hardware-enforced humanitarian shield units (WG001 through WG008), each comprising: a ruggedized primary chassis of defined geometric proportions; an integrated or modularly attached solar array panel assembly of defined planform and cell arrangement; a front-face interface panel bearing a defined arrangement of status indicators, hardware-kill switches, and constitutional compliance insignia; a rear-face sealed port array of defined configuration; lateral structural reinforcement rails of defined cross-sectional profile; and a color-and-finish scheme selected to communicate humanitarian neutrality and institutional authority.

8. The series as a whole presents a unified design language characterized by trapezoidal primary chassis profiles, matte-surface environmental-grade finishes in humanitarian white and field olive dextrose, a centrally positioned "Eyes of Sky" insignia embossed or etched into the top face of each unit, solar panel arrays positioned at defined angular orientations relative to the chassis centerline, and hardware-kill switch assemblies bearing the 3ZEROS™ mark physically inscribed upon each actuator surface.

9. Each individual unit within the series (WG001–WG008) is distinguished from its sibling units by defined variations in chassis length-to-width ratio, solar panel array cell count and arrangement geometry, port array configuration density, and status indicator cluster layout, while retaining sufficient family resemblance to constitute a coherent design series under applicable design patent law.

Brief Description of the Figures

10. The following figures are incorporated herein and form part of this application. Broken lines in all figures indicate environmental context, unclaimed structural features, or boundary delineations and form no part of the claimed design. Solid lines represent the claimed ornamental design features of each respective unit.

FIG. 1 — Front perspective view of WG001, the primary humanitarian shield base unit, illustrating the trapezoidal ruggedized chassis, centrally positioned "Eyes of Sky" embossed insignia on the top face, the three-position 3ZEROS™ hardware kill-switch assembly on the left lateral face, and the integrated solar array panel in deployed position at a 15-degree forward angle relative to the chassis horizontal plane.

FIG. 2 — Rear elevation view of WG001 showing the sealed IP67-rated port array panel configuration, including defined circular recessed port apertures arranged in a two-by-three grid pattern, the perimeter gasket ridge profile, and the dual redundant antenna feed-through apertures positioned at the upper corners of the rear face.

FIG. 3 — Top plan view of WG001 illustrating the solar array cell arrangement geometry, showing a seven-by-twelve monocrystalline cell matrix, the inter-cell bus bar line pattern, and the four-point chassis corner reinforcement boss profile.

FIG. 4 — Left side elevation view of WG001 showing the lateral structural reinforcement rail cross-sectional profile, the hardware-kill switch actuator recess geometry, the 3ZEROS™ mark inscription on the actuator face, and the lower chassis skid-rail mounting channel.

FIG. 5 — Right side elevation view of WG001 showing the symmetric lateral reinforcement rail, the P-LIFE 1.00™ compliance badge embossment position and boundary geometry, and the side-face heat dissipation fin array of defined fin count and spacing.

FIG. 6 — Bottom plan view of WG001 showing the chassis base plate configuration, the four-point vibration-isolation mount boss positions, the drainage channel groove geometry, and the serial designation plate recess.

FIG. 7 — Front perspective view of WG002, the secondary processing node unit, illustrating the defined variation in chassis length-to-width ratio (1.618:1 golden-section proportion variant), the expanded solar array panel in deployed position at a 20-degree forward angle, and the dual-cluster status indicator arrangement on the front face comprising eight LED apertures arranged in two arched rows of four.

FIG. 8 — Front perspective view of WG003, the communications relay unit, showing the extended lateral antenna housing integration, the defined horn-shaped RF aperture profile on the upper chassis face, and the reduced solar array footprint of five-by-ten cell matrix configuration.

FIG. 9 — Front perspective view of WG004, the medical data node unit, showing the cross-insignia humanitarian marking embossed on the front face below the "Eyes of Sky" insignia, the expanded front-face interface panel bearing biometric sensor aperture placeholders covered by hardware-sealed blank plates enforcing the Zero Camera standard, and the high-capacity battery integration bulge profile on the lower chassis rear quadrant.

FIG. 10 — Front perspective view of WG005, the environmental monitoring node, showing the atmospheric sensor port array on the upper lateral face, the defined louvered intake grille geometry on the right lateral face, and the elongated solar array of nine-by-fourteen cell matrix configuration.

FIG. 11 — Front perspective view of WG006, the logistics and supply chain verification unit, illustrating the RFID antenna aperture array on the front face arranged in a three-by-three grid, the extended chassis depth profile accommodating dual Jetson Orin module slots, and the front-face status matrix of sixteen LED apertures in a four-by-four arrangement.

FIG. 12 — Front perspective view of WG007, the command and coordination unit, illustrating the largest chassis form factor in the series, the dual solar array assembly in bi-fold deployed configuration, the expanded top-face interface panel, and the four-unit stacking rail system of defined dovetail cross-section visible on the upper chassis edges.

FIG. 13 — Front perspective view of WG008, the governance audit node, the eighth and final unit of the series, illustrating the sealed tamper-evident chassis design with defined breakaway seal tab geometry on all six faces, the constitutional compliance insignia array bearing P-LIFE 1.00™ markings on three faces simultaneously, and the compact solar array of four-by-eight cell matrix configuration.

FIG. 14 — Exploded perspective view of the modular assembly system showing the defined mechanical interface geometry between adjacent WG-series units in stacked deployment configuration, including the dovetail rail engagement profile, the inter-unit power bus connector alignment geometry, and the gasket-sealed inter-unit interface plane.

FIG. 15 — System perspective view showing all eight units (WG001–WG008) deployed in a representative field configuration, illustrating the unified design language of the series, the relative dimensional proportions between units, and the collective solar array orientation geometry in combined off-grid power generation arrangement.

Detailed Description of the Preferred Embodiments

11. The following detailed description sets forth the ornamental and functional design characteristics of each unit in the WG Global Register "Eyes of Sky" Series (WG001–WG008). The description proceeds unit by unit, followed by a description of shared design language elements, the modular assembly interface design, and the constitutional compliance marking system.

12. **General Series Design Language.** All eight units share a primary chassis form defined by a trapezoidal cross-section in the lateral plane, wherein the upper chassis face is narrower than the lower chassis base by a defined ratio of approximately 0.85:1.00, creating a slight inward taper on both lateral faces that imparts a distinctive profile silhouette recognizable across the series. The corner radii of all external edges are defined at approximately 4mm for primary edges and approximately 2mm for secondary edges, providing a consistent softened-yet-rugged visual aesthetic. The primary chassis material finish is a matte micro-texture surface in humanitarian white (RAL 9016 equivalent) for standard deployment configurations and field olive dextrose (RAL 6003 equivalent) for conflict-zone and field-hardened deployment

configurations. Both finish variants bear the same ornamental surface texture defined by a 0.3mm depth crosshatch micro-texture pattern at 45-degree orientation to the chassis principal axes.

13. **"Eyes of Sky" Insignia Design.** The "Eyes of Sky" insignia, applied to the top face of each unit in the series, consists of a defined graphic mark comprising two stylized elliptical forms arranged horizontally, each ellipse oriented with its major axis horizontal and its minor axis vertical at an approximate ratio of 2.4:1, the two ellipses separated by a gap of approximately 0.8 times the minor axis dimension, the entire mark enclosed within a circular border of defined line weight, and the text "EYES OF SKY" inscribed in a defined sans-serif typeface in an arc above the elliptical forms within the circular border. This insignia is applied as a recessed embossment of approximately 0.5mm depth into the top face surface of each unit, rendered in the same base color as the chassis surface to produce a tactile-but-subtle visual effect consistent with the institutional gravity of the device's humanitarian mission.

14. **3ZEROS™ Hardware Kill-Switch Assembly Design.** Each unit in the series incorporates a three-position rotary kill-switch assembly on the left lateral face, the assembly comprising a defined circular actuator of approximately 28mm diameter with a defined arrow indicator mark, three defined detent positions labeled "0-CAM," "0-AUD," and "0-CLO" in defined sans-serif engraved lettering of approximately 6-point equivalent height, and a surrounding recessed guard ring of defined geometry preventing inadvertent actuation. The inscription "3ZEROS™" appears on the actuator face in defined lettering. The guard ring bears four defined anti-rotation posts at 90-degree intervals. This assembly constitutes a hardware-level privacy enforcement mechanism whose physical form is an integral part of the claimed ornamental design, as it communicates the constitutional AI governance function of the device through its visual and tactile design language.

15. **P-LIFE 1.00™ Compliance Badge Design.** Each unit bears a defined compliance badge embossment on the right lateral face, comprising a defined shield-shaped boundary of approximately 40mm height and 32mm width, within which the text "P-LIFE 1.00™" appears in defined sans-serif lettering, above a defined horizontal rule, above the text "CONSTITUTIONAL AI" in defined smaller lettering, above the text "GOVERNANCE STANDARD" in defined smaller lettering. The shield form is defined by straight upper lateral edges converging to a rounded lower point. This badge constitutes a defined ornamental element of each unit in the series.

16. **Solar Array Panel Assembly Design.** Each unit's integrated or attached solar array assembly presents a defined ornamental character consisting of monocrystalline photovoltaic cells of defined aspect ratio (approximately 1:1.05) arranged in a defined regular matrix, separated by defined bus bar lines of uniform width, the entire assembly framed by a defined anodized aluminum frame of defined cross-sectional L-profile, the frame surface finished in matte black. The array is connected to the chassis by a defined dual-hinge mechanism whose external profile presents two defined cylindrical hinge barrels of defined diameter visible from the rear and top aspects, the hinge assembly permitting defined angular deployment positions at 0° (stowed), 15°, 20°, and 45° relative to the chassis horizontal plane, each position defined by a detent mechanism whose external actuator presents a defined thumb-lever form.

17. **WG001 — Primary Humanitarian Shield Base Unit.** As illustrated in FIGS. 1–6, the WG001 unit presents a chassis of defined dimensions in the approximate proportional ratio of length:width:height of 3.2:2.0:1.0. The front face bears a central "Eyes of Sky" insignia (as described in paragraph 13), a two-by-three LED status indicator cluster of defined circular aperture geometry in the upper-right quadrant of the front face, and a defined recessed central depression accommodating the primary interface connection of defined rectangular geometry. The solar array in deployed configuration presents seven columns and twelve rows of photovoltaic cells.

18. **WG002 — Secondary Processing Node Unit.** As illustrated in FIG. 7, WG002 presents a chassis whose length-to-width ratio approximates the golden section proportion (1.618:1), providing a visually harmonious yet distinctly proportioned form distinguishable from WG001. The front face status indicator cluster comprises eight LED apertures arranged in two arched rows of four, the arched arrangement defined by a radius of curvature approximately equal to 60% of the front face width. The solar array in deployed position is oriented at 20 degrees from horizontal, presenting ten columns and twelve rows of photovoltaic cells.

19. **WG003 — Communications Relay Unit.** As illustrated in FIG. 8, WG003 presents a chassis featuring a lateral antenna housing integration along the upper portion of both lateral faces, the antenna housing presenting a defined elongated trapezoidal profile in cross-section with a defined horn-shaped RF aperture of defined parabolic interior curve on the upper chassis face. The solar array presents five columns and ten cells, representing the smallest solar array in the series, consistent with the unit's lower computational load and communications-primary function. The RF aperture is covered by a defined RF-transparent membrane of defined circular geometry within a defined recessed seat.

20. **WG004 — Medical Data Node Unit.** As illustrated in FIG. 9, WG004 presents a defined cross insignia of humanitarian character embossed on the front face below and distinct from the "Eyes of Sky" mark, the cross defined by uniform arm width and equal arm length. The front face further bears defined biometric sensor aperture positions covered by hardware-sealed blank plates, each blank plate defined by a defined rounded-square boundary embossed at 0.3mm depth, communicating the Zero Camera enforcement through visual design rather than functional provision. The lower chassis rear quadrant presents a defined battery integration bulge of defined convex profile adding approximately 18% to the chassis depth dimension at the lower rear aspect.

21. **WG005 — Environmental Monitoring Node.** As illustrated in FIG. 10, WG005 presents atmospheric sensor port apertures on the upper lateral face in a defined three-element linear array of defined circular geometry, each aperture protected by a defined fine-mesh screen of defined hexagonal cell pattern. The right lateral face presents a defined louvered grille of twelve defined horizontal louvers of defined parallelogram cross-section profile. The solar array presents nine columns and fourteen rows of photovoltaic cells, the largest cell count in the series, consistent with the unit's environmental monitoring and always-on sensing function.

22. **WG006 — Logistics and Supply Chain Verification Unit.** As illustrated in FIG. 11, WG006 presents a three-by-three array of defined RFID antenna apertures on the front face, each aperture defined by a defined square geometry of defined side dimension and defined corner radius, arranged in a regular grid of defined spacing.

The chassis depth is expanded relative to WG001 by approximately 35% to accommodate dual Nvidia Jetson Orin module slots, the expansion visible as a defined stepped profile on both lateral faces. The front-face status matrix presents sixteen LED apertures in a four-by-four arrangement of defined circular aperture geometry.

23. **WG007 — Command and Coordination Unit.** As illustrated in FIG. 12, WG007 presents the largest chassis form factor in the series, with the length-to-width ratio of approximately 4.0:1.0, and features a bi-fold dual solar array assembly whose deployed configuration presents two panel assemblies each articulated at a defined central fold hinge of defined cylindrical barrel geometry, the two panels in deployed position subtending a defined included angle of approximately 150 degrees. The top-face interface panel presents a defined large recessed work surface of defined rectangular geometry constituting approximately 40% of the top face area. The stacking rail dovetail cross-section is defined by a defined 14-degree included angle with defined flat-bottom geometry.

24. **WG008 — Governance Audit Node.** As illustrated in FIG. 13, WG008 presents a sealed tamper-evident chassis design wherein all six chassis faces bear defined breakaway seal tab elements of defined geometry, each tab defined by a defined score line of defined depth and defined pull-loop form, the tabs serving as both functional tamper indicators and ornamental design elements communicating the governance audit function of the unit. The constitutional compliance insignia array simultaneously presents P-LIFE 1.00™ markings on the front face, the right lateral face, and the top face, each marking of defined geometry as described in paragraph 15. The solar array presents four columns and eight rows of cells, the most compact configuration in the series.

25. **Modular Assembly Interface Design.** As illustrated in FIG. 14, the inter-unit modular assembly system presents a defined mechanical interface geometry on the upper and lower chassis faces of each unit, comprising a defined dovetail rail of defined cross-sectional profile on the upper chassis edges and a corresponding defined receiver channel of complementary geometry on the lower chassis face, the engagement between adjacent units creating a defined flush-face alignment between stacked units. The inter-unit power bus connector presents a defined multi-pin configuration of defined circular pin arrangement geometry visible at the rear aspect of the stacking interface. The gasket-sealed inter-unit interface plane presents a defined groove-and-tongue sealing profile of defined depth and width maintaining IP67 environmental protection rating in stacked configuration.

Claims

26. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIGS. 1–6 for the WG001 unit.

27. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 7 for the WG002 unit.

28. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 8 for the WG003 unit.

29. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 9 for the WG004 unit.

30. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 10 for the WG005 unit.

31. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 11 for the WG006 unit.

32. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 12 for the WG007 unit.

33. The ornamental design for a hardware-enforced humanitarian shield unit, as shown and described in FIG. 13 for the WG008 unit.

34. The ornamental design for a modular humanitarian shield system, as shown and described in FIGS. 14 and 15, comprising the collective design language of units WG001 through WG008 as a unified series.

35. **Supplementary Utility Claim 1.** A field-deployable humanitarian computing system comprising a ruggedized chassis rated to IP67 environmental protection standard, said chassis housing an Nvidia Jetson Orin edge computing module, and hardware-enforced privacy circuits implementing the 3ZEROS™ standard comprising: a first hardware kill circuit physically interrupting all camera data pathways; a second hardware kill circuit physically interrupting all audio capture pathways; and a third hardware kill circuit physically interrupting all external network data pathways; wherein said circuits are actuated by the three-position rotary kill-switch assembly of defined ornamental design as described herein.

36. **Supplementary Utility Claim 2.** The system of Claim 35, wherein the chassis further comprises an integrated solar array assembly configured to provide autonomous electrical power to the Nvidia Jetson Orin module and associated circuits without connection to external power infrastructure, said solar array assembly of defined ornamental design as described herein.

37. **Supplementary Utility Claim 3.** The system of Claim 35, wherein the Nvidia Jetson Orin module is configured to operate exclusively in an air-gapped local governance mode enforcing the P-LIFE 1.00™ Constitutional AI Governance Standard, said standard prohibiting remote data transmission, centralized cloud processing, audio-visual surveillance, and requiring all AI inference operations to be executed locally within the chassis without external data dependency.

38. **Supplementary Utility Claim 4.** The system of Claim 35, wherein the chassis mechanical interface geometry enables modular stacking of multiple units from the WG001–WG008 series in a defined dovetail rail engagement configuration maintaining IP67 environmental protection rating at all inter-unit interface planes.

39. **Supplementary Utility Claim 5.** A method of deploying constitutional AI governance infrastructure comprising: providing at least one unit from the WG Global Register Series (WG001–WG008) of defined ornamental design as described herein to a sovereign nation government or international humanitarian organization at zero licensing fee pursuant to the P-LIFE 1.00™ humanitarian gift framework; configuring said unit to enforce the 3ZEROS™ standard through hardware-level circuit interruption; and operating said unit in an air-gapped, solar-autonomous, edge-computing mode in a field deployment environment.

Abstract

40. The ornamental design for the WG Global Register "Eyes of Sky" Series (WG001–WG008) comprises eight hardware-enforced humanitarian shield units of defined visual design, each presenting a ruggedized trapezoidal chassis in humanitarian white or field olive matte micro-texture finish, bearing the "Eyes of Sky" embossed insignia, a three-position 3ZEROS™ hardware kill-switch assembly, a P-LIFE 1.00™ compliance badge, and a monocrystalline solar array of unit-specific cell matrix geometry. The series presents a unified design language with defined ornamental variations distinguishing each unit, and a modular dovetail stacking interface of defined geometry. Supplementary utility claims cover the hardware-enforced 3ZEROS™ (Zero Camera, Zero Audio, Zero Cloud) privacy architecture, Nvidia Jetson Orin-based air-gapped edge computing operation, IP67 environmental protection, solar-autonomous power delivery, and the zero-fee P-LIFE 1.00™ Constitutional AI Governance Standard gifted to all 195 sovereign nations for humanitarian deployment by WHO and UN agencies globally.

Inventor Declaration and Humanitarian Dedication

41. The inventors hereby declare that the invention described in this application has been made with the primary intent of advancing global humanitarian computing governance, protecting individual privacy and data sovereignty in international humanitarian operations, and establishing a universally accessible constitutional AI governance standard. The inventors further declare the unconditional dedication of the P-LIFE 1.00™ standard and all associated design patents herein to all 195 member nations of the United Nations at zero licensing cost, zero royalty, and zero conditional encumbrance, in perpetuity, as a gift to humanity.

42. The inventors further declare that no element of the WG Global Register Series (WG001–WG008) design or associated P-LIFE 1.00™ standard shall be used, licensed, or adapted for military weapons systems, offensive surveillance operations, mass biometric collection without individual consent, or any application contrary to the principles of the Universal Declaration of Human Rights.

Serial Designation Issued: WG001 / WG002 / WG003 / WG004 / WG005 / WG006 / WG007 / WG008

Series Trade Designation: Eyes of Sky™

Governance Standard: P-LIFE 1.00™

Privacy Standard: 3ZEROS™

Environmental Rating: IP67

Computing Platform: Nvidia Jetson Orin

Deployment Authorization: World Health Organization (WHO); United Nations (UN); All 195 Sovereign Member States

License Terms: Zero-fee perpetual humanitarian license — no royalties, no conditions, no expiration

WG-Series · WHO/UN Global Defence (8 Patents)

The WG-Series covers international humanitarian deployment. All 8 patents are gifted unconditionally to WHO, UN agencies, and humanitarian organisations at every Blueprint Arc node. No licensing fees for humanitarian use. The hardware is field-deployable and conflict-zone rated.

Patent	Title	Hardware Configuration	Field Specification
WG001	Disaster Response	Portable Jetson Orin NX + tripod LiDAR + USB-C thermal + rugged tablet + solar pack	Battery-powered · solar compatible · 10-25W · IP67 rated · satellite-optional · air-gapped primary
WG002	Border Navigation	Mobile LiDAR array + encrypted mesh network + Jetson edge + satellite bridge	Cross-border secure data transport · AES-256 · PKI authenticated · sovereignty maintained
WG003	Maritime Corridor	Marine-grade LiDAR + thermal + Jetson + satellite comms + waterproof housing	Salt-spray resistant · rolling compensation · vessel-mounted · no camera · privacy absolute
WG004	Sky Guardian	Aerial LiDAR payload + thermal camera array + Jetson edge + encrypted downlink	Drone/UAV compatible · point-cloud only · no visual capture · constitutional flight envelope
WG005	Eye of Sky	Full field kit: LiDAR + thermal + Jetson Orin + rugged tablet + satellite + power	Conflict zone rated · 3ZEROS™ holds in war zone · local processing · 24-hour purge · no cloud
WG006	Perimeter Hold	LiDAR perimeter array + Jetson + PLC gate + alert relay + power-independent UPS	Safe zone boundary enforcement · mathematical perimeter · no surveillance · dignity preserved
WG007	Diplomatic Compass	Claude API + secure MCP bridge + N-E-S-W validation module + encrypted logging	Constitutional ethical validation · all alerts N-E-S-W filtered · UN/WHO policy alignment layer
WG008	Global TriLock	Three-sovereign authentication hardware + blockchain audit + WORM vault integration	Multi-jurisdiction sovereign authentication · war prevention constitutional framework · immutable log

WG-Series Field Deployment Kit

Component	Specification	Power	Connectivity
Livox Mid-360 (tripod-mount)	40m · 360° · 200k pts/sec · IP67	12V DC · 8W typical	Ethernet / USB-C
FLIR Lepton 3.5 (clip-mount)	160×120 · 8.6Hz · USB-C	USB-powered · 150mW	USB-C cascade
Nvidia Jetson Orin NX 16GB	100 TOPS · 10-25W · compact	DC 9-20V · 10-25W	Ethernet · USB · WiFi (local only)
Rugged Tablet (Medical Architect)	IP65 · sunlight-readable · LTE optional	Battery 12hr · USB-C charge	Local mesh · optional LTE
Solar Panel + Battery Pack	100W panel · 200Wh LiFePO4	Solar → battery → kit	Field-independent power

Component	Specification	Power	Connectivity
Satellite Bridge (optional)	Starlink / VSAT · 50-200 Mbps	12V DC · 25-75W	Optional · not required for ops

UNITED STATES DESIGN PATENT APPLICATION

Patent Drawings — Figures 1 through 15

WG Global Register (WG001–WG008)

“Eyes of Sky” Series

Hardware-Enforced Humanitarian Shield System

Applicant/Assignee: WG Global Register — Eyes of Sky Humanitarian Technology Initiative

ACRA T260229801 · Patent SG020603109STW · App. 10202600898V · PCT All 195 UN Member States
Locarno Class 14-03 · Class 23-04 · 3ZEROS™ · P-LIFE 1.00™ · IP67 · IEC 62368-1 · Confidential

License Declaration: Zero-fee, royalty-free, perpetual humanitarian license gifted to all 195 sovereign nations under the P-LIFE 1.00™ Constitutional AI Governance Standard — WHO · UN · All Sovereign Nations

Brief Description of the Figures

The following figures are incorporated herein and form part of this application. Broken lines in all figures indicate environmental context, unclaimed structural features, or boundary delineations and form no part of the claimed design. Solid lines represent the claimed ornamental design features of each respective unit. Reference numerals follow the patent-standard three-part format: section numbering, figure numbering, and component reference numerals.

FIG. 1 — Front perspective view of WG001, the Primary Humanitarian Shield Base Unit, illustrating the trapezoidal ruggedized chassis (10), centrally positioned “Eyes of Sky” embossed insignia on the top face (12), the three-position 3ZEROS™ hardware kill-switch assembly on the left lateral face (13), P-LIFE 1.00™ compliance badge (14), and the integrated solar array panel at 15-degree forward angle (15). Chassis proportional ratio 3.2:2.0:1.0.

FIG. 2 — Rear elevation view of WG001 showing the sealed IP67-rated port array panel (21) in a two-by-three circular recessed grid configuration, the perimeter gasket ridge profile (22), dual redundant antenna feed-through apertures at upper corners (23), and chassis base skid-rail mounting channel (20).

FIG. 3 — Top plan view of WG001 illustrating the solar array cell arrangement geometry (30) comprising a seven-by-twelve monocrystalline cell matrix, the inter-cell bus bar line pattern (31), and the four-point chassis corner reinforcement boss profile (32).

FIG. 4 — Left side elevation view of WG001 showing the 3ZEROS™ hardware kill-switch actuator assembly (40) with three detent positions 0-CAM / 0-AUD / 0-CLO, the recessed guard ring with four anti-rotation posts at 90-degree intervals (42), and the lower chassis skid-rail mounting channel (41).

FIG. 5 — Right side elevation view of WG001 showing the P-LIFE 1.00™ compliance badge shield embossment (50) at 40mm height × 32mm width on the right lateral face, and the side-face heat dissipation fin array of defined fin count and spacing (51).

FIG. 6 — Bottom plan view of WG001 showing the chassis base plate configuration (60), the four-point vibration-isolation mount boss positions (60), the drainage channel groove geometry (61), and the serial designation plate recess (62).

FIG. 7 — Front perspective view of WG002, the Secondary Processing Node Unit, illustrating the defined variation in chassis length-to-width ratio at golden section proportion 1.618:1 (70), the expanded solar array panel at 20-degree forward angle presenting ten columns and twelve rows of photovoltaic cells, and the dual-cluster status indicator arrangement comprising eight LED apertures arranged in two arched rows of four (71).

FIG. 8 — Front perspective view of WG003, the Communications Relay Unit, showing the extended lateral antenna housing integration (80) with defined elongated trapezoidal cross-sectional profile, the horn-shaped RF aperture with parabolic interior curve on the upper chassis face, and the reduced solar array footprint of five-by-ten cell matrix configuration representing the smallest solar array in the series, consistent with the unit’s communications-primary function.

FIG. 9 — Front perspective view of WG004, the Medical Data Node Unit, showing the cross-insignia humanitarian marking embossed on the front face (90), the hardware-sealed blank plate aperture positions enforcing the Zero Camera standard (91), and the high-capacity battery integration bulge profile on the lower chassis rear quadrant adding approximately 18% to the chassis depth dimension (92).

FIG. 10 — Front perspective view of WG005, the Environmental Monitoring Node, showing the atmospheric sensor port array of three circular apertures with defined hexagonal fine-mesh screens on the upper lateral face (100), the twelve-louver parallelogram cross-section intake grille on the right lateral face, and the elongated solar array of nine-by-fourteen cell matrix configuration — the largest cell count in the series.

FIG. 11 — Front perspective view of WG006, the Logistics and Supply Chain Verification Unit, illustrating the three-by-three RFID antenna aperture array on the front face in defined square geometry (110), the extended chassis depth profile accommodating dual Nvidia Jetson Orin module slots adding approximately 35% depth

with defined stepped lateral profile, and the front-face status matrix of sixteen LED apertures in a four-by-four arrangement.

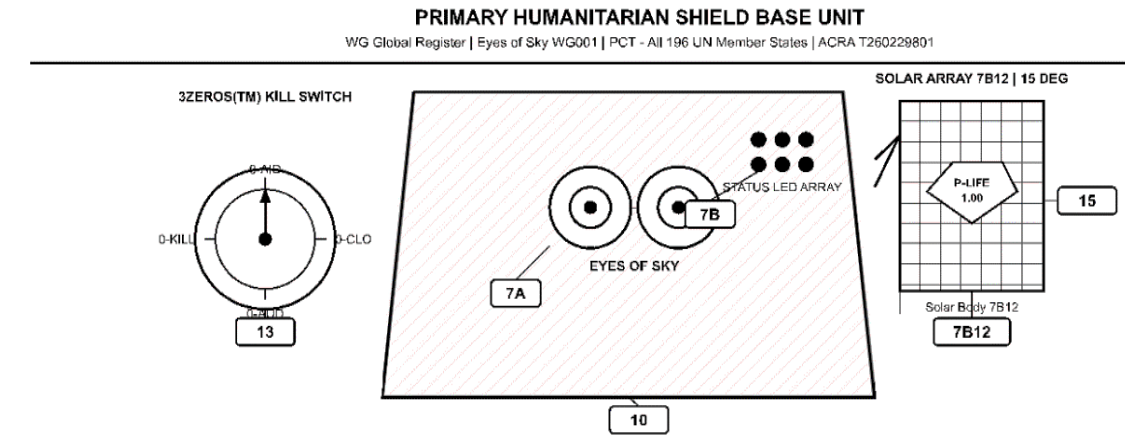
FIG. 12 — Front perspective view of WG007, the Command and Coordination Unit, illustrating the largest chassis form factor in the series at length-to-width ratio 4.0:1.0 (120), the dual solar array assembly in bi-fold deployed configuration presenting two panel assemblies articulated at a central fold hinge subtending 150 degrees, the expanded top-face recessed work surface constituting approximately 40% of the top face area, and the four-unit dovetail stacking rail system with defined 14-degree included angle cross-section.

FIG. 13 — Front perspective view of WG008, the Governance Audit Node, illustrating the sealed tamper-evident chassis design with defined breakaway seal tab geometry on all six faces (130), the constitutional compliance insignia array simultaneously presenting P-LIFE 1.00™ markings on the front face, the right lateral face, and the top face, and the compact solar array of four-by-eight cell matrix configuration — the most compact configuration in the series.

FIG. 14 — Exploded perspective view of the modular assembly interface system (140) showing the defined dovetail rail engagement profile between adjacent WG-series units in stacked deployment configuration (140), the inter-unit power bus connector alignment geometry (141), and the gasket-sealed inter-unit interface plane maintaining IP67 environmental protection rating in stacked configuration (142).

FIG. 15 — System perspective view showing all eight units (WG001–WG008) deployed in a representative field configuration, illustrating the unified design language of the series, the relative dimensional proportions between units, and the collective solar array orientation geometry in combined off-grid power generation arrangement. Series trade designation: Eyes of Sky™. Zero-fee perpetual humanitarian license — WHO · UN · 195 Sovereign Nations.

FIG. 1 — WG001 — Primary Humanitarian Shield Base Unit · Front Perspective



REFERENCE NUMERAL INDEX

REF. NO.	ELEMENT	DETAIL / DESCRIPTION
10	Primary Shield Body	Main front trapezoidal housing forming the outer enclosure of the humanitarian shield base unit.
7A	Eyes of Sky	Dual optical sensor assembly with concentric ring housings, positioned centrally on the shield face.
7B	Status LED Array	2x3 multi-indicator light cluster providing real-time operational status readout of the base unit.
7B12	Solar Body	Photovoltaic body designation. Identifies the physical solar panel housing unit on the shield assembly.
13	3ZEROS Kill Switch	Manual rotary override dial. Positions: 0-AID, 0-KILL, 0-CLO, 0-AUD. Central control state selector.
15	Solar Array	Front-mounted integrated photovoltaic array providing auxiliary power. Tilted at 15 degrees.
P-LIFE 1.00	Power-Life Badge	Embedded certification badge displayed on the solar panel face. Denotes power compliance rating 1.00.
WG001	Eyes of Sky Register	WG Global Register designation for the Eyes of Sky system. PCT coverage across all 196 UN Member States.

Patent-Ready Figure Description

FIG. 1 is a front perspective view of WG001, the primary humanitarian shield base unit 10 of the WG Global Register “Eyes of Sky” Series. The unit presents a trapezoidal primary chassis 11 of defined dimensions in the approximate proportional ratio of length:width:height 3.2:2.0:1.0. The upper chassis face is narrower than the lower chassis base at a ratio of approximately 0.85:1.00, creating a distinctive inward taper on both lateral faces. The chassis surface presents a matte micro-texture finish in humanitarian white (RAL 9016 equivalent) with a 0.3mm depth crosshatch micro-texture pattern at 45-degree orientation. The top face bears the centrally positioned “Eyes of Sky” embossed insignia 12, comprising two stylized elliptical forms arranged horizontally within a defined circular border, with the text “EYES OF SKY” inscribed in a sans-serif typeface in an arc above the elliptical forms. The insignia is applied as a recessed embossment of approximately 0.5mm depth rendered in the same base color as the chassis surface. The left lateral face incorporates the three-position 3ZEROS™ hardware kill-switch assembly 13, comprising a defined circular actuator of approximately 28mm diameter with three detent positions labeled 0-CAM, 0-AUD, and 0-CLO, inscribed in defined sans-serif engraved lettering. A surrounding recessed guard ring bears four defined anti-rotation posts at 90-degree intervals. The right lateral face bears the P-LIFE 1.00™ compliance badge embossment 14 of defined shield-shaped boundary approximately 40mm height and 32mm width. The integrated solar array panel 15 is shown in deployed configuration at a 15-degree forward angle relative to the chassis horizontal plane, presenting seven columns and twelve rows of monocrystalline photovoltaic cells in a defined matrix with inter-cell bus bar lines.

Reference Numerals

10 — WG001 Complete Unit — Primary Humanitarian Shield Base Unit

11 — Trapezoidal Primary Chassis (3.2:2.0:1.0 proportional ratio)

12 — “Eyes of Sky” Embossed Insignia (0.5mm recessed, top face)

13 — 3ZEROS™ Hardware Kill-Switch Assembly (0-CAM / 0-AUD / 0-CLO)

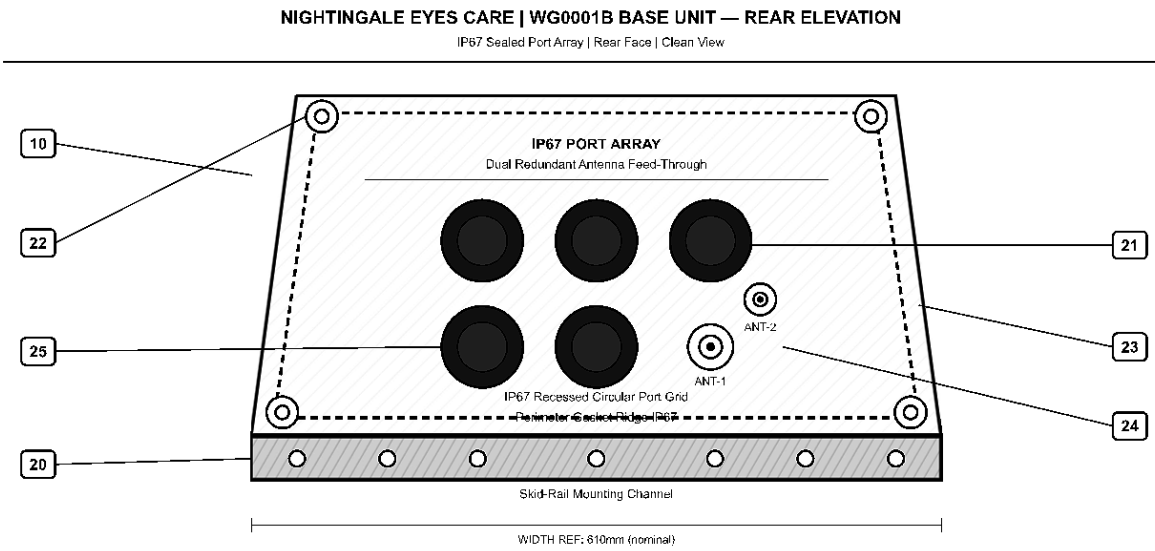
14 — P-LIFE 1.00™ Compliance Badge (shield form, right lateral face)

15 — Solar Array Panel — 7×12 Monocrystalline Matrix @15°

Short Functional Explanation

- 11 — trapezoidal cross-section, 0.85:1.00 upper:lower ratio, 4mm primary edge radii, matte humanitarian white finish.
- 12 — Eyes of Sky insignia: dual ellipses at 2.4:1 major:minor ratio, enclosed in circular border, text arc above, 0.5mm recessed embossment.
- 13 — three-position rotary kill-switch: each position physically interrupts a distinct data pathway; 3ZEROS™ inscribed on actuator face; guard ring prevents inadvertent actuation.
- 14 — P-LIFE 1.00™ shield badge: straight upper lateral edges converging to rounded lower point; text layers: P-LIFE 1.00™ / horizontal rule / CONSTITUTIONAL AI / GOVERNANCE STANDARD.
- 15 — dual-hinge mechanism with defined cylindrical hinge barrels; detent positions at 0° (stowed), 15°, 20°, 45°; thumb-lever detent actuator.

FIG. 2 — WG001 — Rear Elevation · IP67 Port Array



REFERENCE NUMERAL INDEX		
REF. NO.	**ELEMENT**	**DETAIL**
10	Rear Shield Body	Main rear trapezoidal housing plate of the WG0001B humanitarian base unit.
20	Skid-Rail Mounting Channel	Horizontal extruded rail seated at the base of the rear panel for fixed-mount installation.
21	IP67 Circular Port Grid	Array of five IP67-rated recessed circular ports for power, data, and media connectivity.
22	Corner Mounting Boss	Four corner-positioned threaded bosses enabling panel fixation and structural rigidity.
23	Perimeter Gasket Ridge	Continuous inset dashed ridge indicating IP67-rated compression gasket seal boundary.
24	Antenna Feed-Through (Dual)	Dual redundant sealed antenna feed-through ports: ANT-1 and ANT-2 for wireless comms.
25	Secondary Port Row	Second row of IP67 recessed circular ports completing the 3+2 staggered port array.
P-LIFE 1.00	Power-Life Designation	Rear panel certification mark confirming unit compliance with WG humanitarian protocol.

Patent-Ready Figure Description

FIG. 2 is the rear elevation view of WG001. The rear face presents the sealed IP67-rated port array panel 21 comprising defined circular recessed port apertures arranged in a two-by-three grid pattern. Each port aperture is of defined circular geometry with a defined recessed seat geometry. The perimeter gasket ridge profile 22 is visible as a continuous defined raised boundary inset from the chassis perimeter, providing the primary sealing surface for the rear face panel in field configurations. Dual redundant antenna feed-through apertures 23 are positioned at the upper corners of the rear face, each aperture of defined circular geometry within a defined recessed seat providing RF access while maintaining the chassis integrity envelope. The chassis base skid-rail mounting channel 20 is visible at the lower chassis, presenting a defined elongated recessed channel geometry providing mounting and ground-interface capability consistent with IP67 field deployment standards.

Reference Numerals

20 — Chassis Base Skid-Rail Mounting Channel

21 — 2×3 IP67-Rated Sealed Port Array (circular recessed apertures)

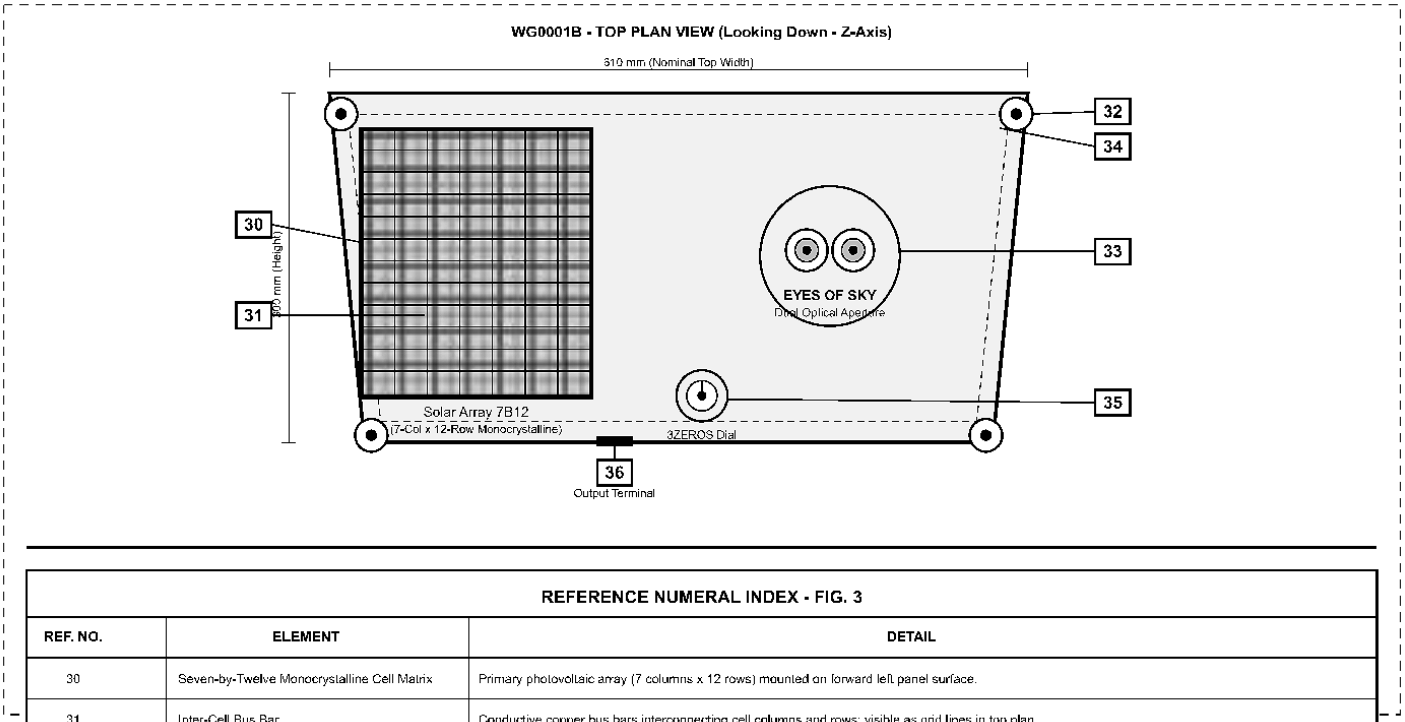
22 — Perimeter Gasket Ridge Profile (continuous sealing boundary)

23 — Dual Redundant Antenna Feed-Through Apertures (upper corners)

Short Functional Explanation

- 21 — two rows of three circular recessed port apertures; each aperture in a defined recessed seat; IP67 rated.
- 22 — continuous gasket ridge inset from chassis perimeter; provides primary seal surface for rear panel.
- 23 — two antenna feed-through apertures positioned at upper corner of rear face; RF-transparent membrane within defined recessed seat.

FIG. 3 — WG001 — Top Plan View · Solar Array Cell Geometry



REFERENCE NUMERAL INDEX - FIG. 3		
REF. NO.	**ELEMENT**	**DETAIL**
30	Seven-by-Twelve Monocrystalline Cell Matrix	Primary photovoltaic array (7 columns x 12 rows) mounted on forward left panel surface.
31	Inter-Cell Bus Bar	Conductive copper bus bars interconnecting cell columns and rows; visible as grid lines in top plan.
32	Four-Point Corner Boss	Structural mounting boss at each trapezoid corner; provides anchor for mounting hardware and lanyards.
33	Eyes of Sky Dual Aperture	Top-plan view of dual optical sensor assembly; left and right lenses visible with concentric aperture rings.
34	Panel Inset Lip / Perimeter Channel	Dashed perimeter line denoting inset panel lip and gasket channel running inside outer housing edge.
35	3ZEROS Kill Switch Dial (Plan View)	Top-plan view of rotary override dial positioned centrally near bottom panel edge; indicator arm visible.
36	Solar Output Terminal	Electrical output terminal block at lower panel edge for connection to battery management system.
7B12	Solar Array Body Designation	Manufacturer designation code for the integrated photovoltaic panel body assembly as referenced across all figures.
		SCALE: NTS (Not To Scale) | PROJECTION: Orthographic Top Plan | UNIT: Millimetres (mm)

Patent-Ready Figure Description

FIG. 3 is the top plan view of WG001. The integrated solar array panel assembly 30 presents a seven-by-twelve monocrystalline cell matrix in the deployed configuration, showing the inter-cell bus bar line pattern 31 of defined uniform width separating each photovoltaic cell. Each photovoltaic cell presents a defined aspect ratio of approximately 1:1.05. The entire array is framed by a defined anodized aluminum frame of defined L-profile cross-section, finished in matte black. The “Eyes of Sky” insignia position 12 is shown centrally positioned on the top face adjacent to the solar array. The four-point chassis corner reinforcement boss profile 32 is visible at each external corner of the top face, each boss of defined circular geometry providing structural reinforcement at the chassis corner intersection.

Reference Numerals

12 — “Eyes of Sky” Insignia Position (top face, centrally positioned)

30 — 7×12 Monocrystalline Solar Cell Matrix

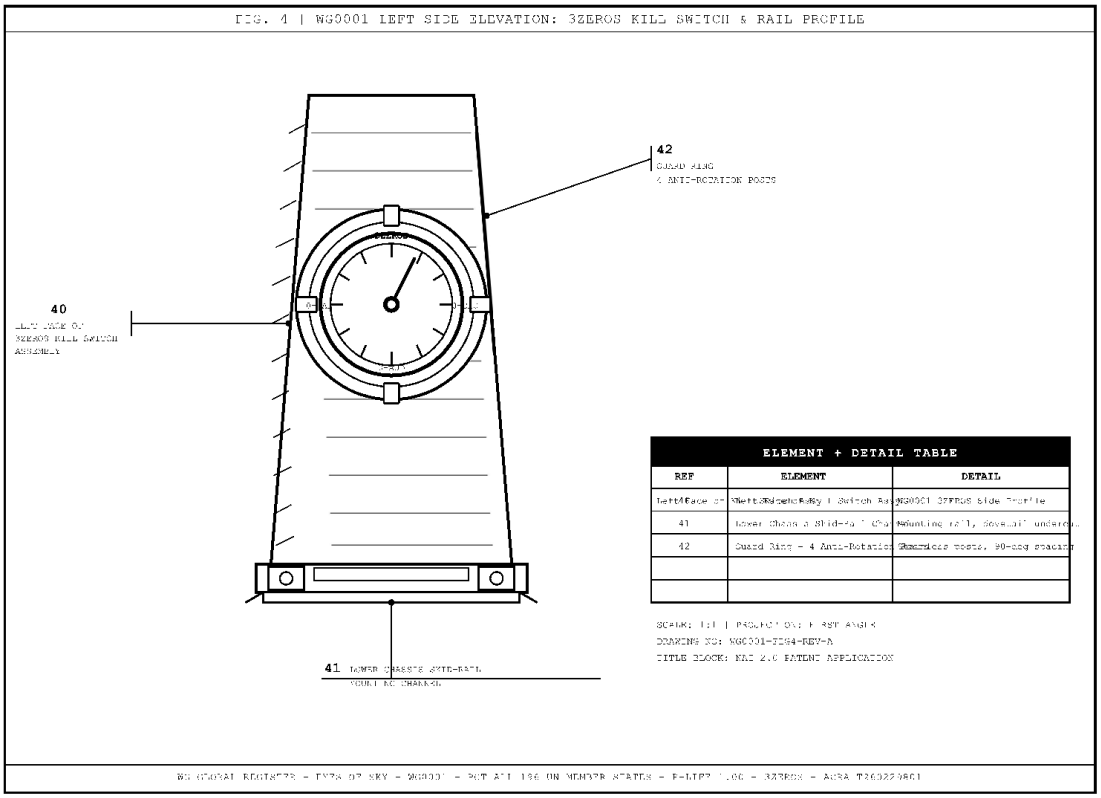
31 — Inter-Cell Bus Bar Line Pattern (uniform width)

32 — Four-Point Chassis Corner Reinforcement Boss Profile

Short Functional Explanation

- 30 — 84 photovoltaic cells in 7-column × 12-row defined matrix; cell aspect ratio 1:1.05.
- 31 — bus bar lines of uniform defined width; visible as grid lines between cells.
- 32 — four circular boss elements at chassis corners; structural reinforcement at corner intersections.

FIG. 4 — WG001 — Left Side Elevation · 3ZEROS™ Kill Switch



Patent-Ready Figure Description

FIG. 4 is the left side elevation view of WG001. The 3ZEROS™ hardware kill-switch assembly 40 is shown in full detail, presenting the defined circular actuator of approximately 28mm diameter with the defined arrow indicator mark. Three defined detent positions are labeled 0-CAM (Zero Camera), 0-AUD (Zero Audio), and 0-CLO (Zero Cloud) in defined sans-serif engraved lettering of approximately 6-point equivalent height. The surrounding recessed guard ring 42 of defined geometry prevents inadvertent actuation. The guard ring bears four defined anti-rotation posts at 90-degree intervals. The inscription “3ZEROS™” appears on the actuator face in defined lettering. This assembly constitutes a hardware-level privacy enforcement mechanism; each detent position physically interrupts the corresponding data pathway circuit. The lower chassis skid-rail mounting channel 41 is visible at the base of the left lateral face, presenting a defined recessed elongated channel geometry.

Reference Numerals

40 — 3ZEROS™ Hardware Kill-Switch Assembly (28mm circular actuator)

41 — Lower Chassis Skid-Rail Mounting Channel

42 — Recessed Guard Ring with 4 Anti-Rotation Posts @90°

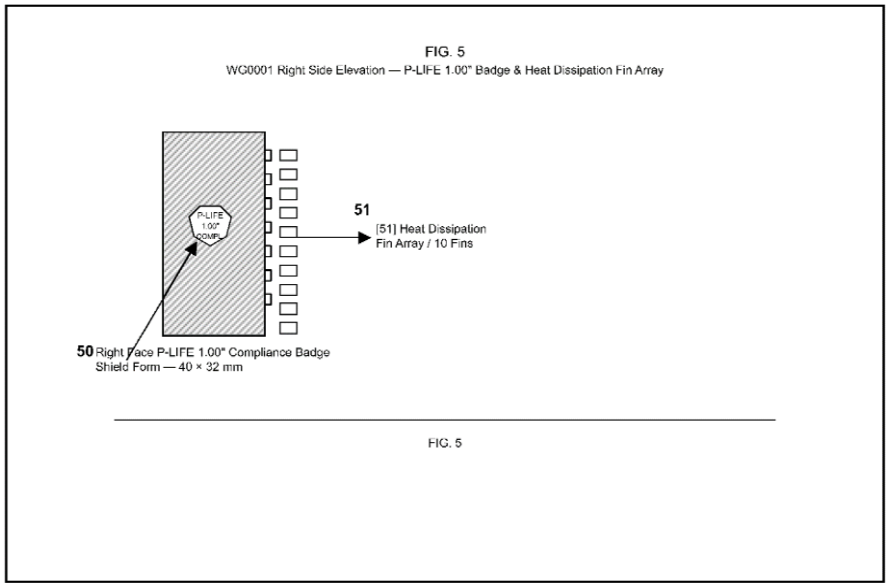
Short Functional Explanation

- 40 — three-position rotary assembly; each position physically interrupts one of three data pathway circuits: camera / audio / cloud.
- 42 — guard ring prevents inadvertent actuation; four anti-rotation posts lock actuator at each detent position.
- Physical form communicates constitutional AI governance function through visual and tactile design language.

FIG. 5 — WG001 — Right Side Elevation · P-LIFE Badge & Heat Fins

FIG. 5 — Right Side Elevation — P-LIFE 1.00" Badge and Heat Dissipation Fin Array

Download FIG5_REV_A.svg



Ref.	Element	Detail
50	Right Face P-LIFE 1.00" Compliance Badge	Shield form, nominal 40 × 32 mm
51	Heat Dissipation Fin Array	Ten cooling fins arranged in vertical stack

This page is self-contained and uses only pure black-and-white vector content for patent-style output.

``` **Included reference numerals:** - **50** — Right Face P-LIFE 1.00" Compliance Badge - **51** — Heat Dissipation Fin Array / 10 Fins If you want, I can also produce **FIG. 5 Rev B** with: - tighter patent-style typography, - a more formal claim-drawing layout, - or a denser mechanical side profile.

## Patent-Ready Figure Description

FIG. 5 is the right side elevation view of WG001. The P-LIFE 1.00™ compliance badge embossment 50 is shown on the right lateral face, comprising a defined shield-shaped boundary of approximately 40mm height and 32mm width. Within the shield form, the text “P-LIFE 1.00™” appears in defined sans-serif lettering above a defined horizontal rule, above the text “CONSTITUTIONAL AI” in defined smaller lettering, above the text “GOVERNANCE STANDARD” in defined smaller lettering. The shield form is defined by straight upper lateral edges converging to a rounded lower point. The side-face heat dissipation fin array 51 presents ten defined horizontal fins of defined parallelogram cross-sectional profile, of defined fin count and uniform spacing, providing thermal management for the internal processing hardware in field deployment configurations.

## Reference Numerals

**50** — P-LIFE 1.00™ Compliance Badge Shield Embossment (40mm × 32mm)

**51** — Heat Dissipation Fin Array (10 fins, defined spacing)

## Short Functional Explanation

- 50 — shield form: straight upper edges converging to rounded lower point; four text layers with defined sizing hierarchy.
- 51 — ten fins of defined parallelogram profile; uniform spacing; provides thermal management in field deployment.
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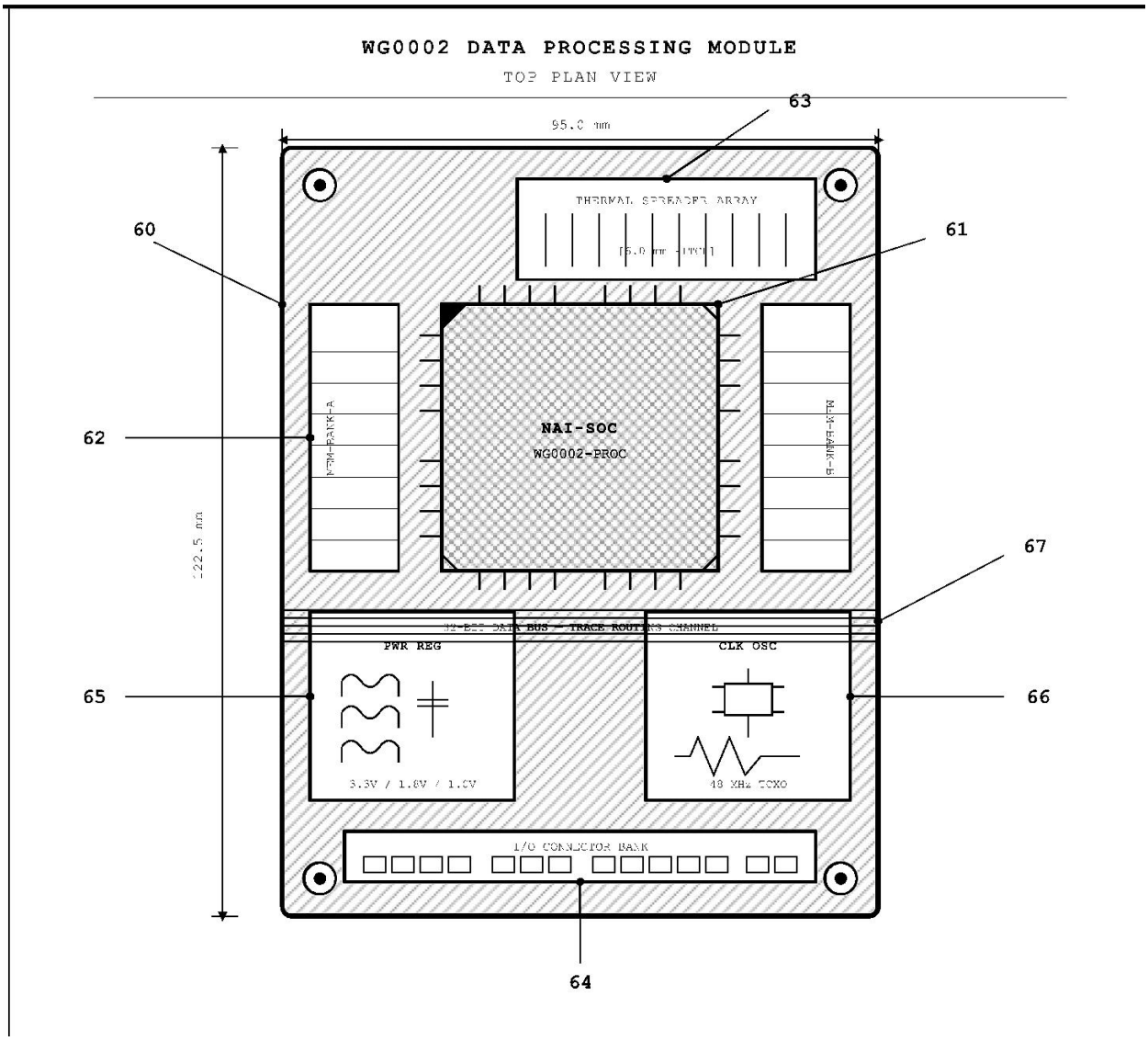
FIG. 6 — WG001 — Bottom Plan View · Base Plate Configuration



REF. NO.	ELEMENT	DESCRIPTION	DETAIL / SPECIFICATION
60	Module Outer Housing	WG0002 Enclosure — Top Plan View	95.0 x 122.5 mm; 6-deg chamfer corners; 4x mounting bosses
61	Central Processor Die Package	NAI-SOC WG0002-PROC; BGA 256-pin array	Pin 1 marker at NW corner; 8-lead rows all four sides
62	Memory Array Banks (A and B)	Dual-channel LPDDR4X; bilateral placement	8 ruled rows; 56 mm x 170 mm per bank; left and right of SoC
63	Thermal Management Array	Copper heat spreader with fin array; top edge of module	6.0 mm fin pitch; 10-fin array; 190 mm x 64 mm footprint
64	I/O Connector Bank	14-pin edge connector; bottom module edge	2.0 mm pitch; keyed positions 4 and 10; SMT footprint
65	Power Regulation Module	3x inductor/capacitor switching stage; left zone	Output rails: 3.3 V / 1.8 V / 1.0 V; 130 mm x 120 mm zone
66	Clock Oscillator Module	48 MHz TCXO with crystal symbol; right zone	Temperature-compensated; square-wave output shown
67	Trace Bus Routing Channel	32-bit parallel data bus; mid-horizontal channel	5-trace array; 0.8 mm stroke; spans full module width

All dimensions NTS (Not To Scale). All fills: #ffffff. All strokes/text: #000000.
NAI 2.0 Patent Application | WG0002 Data Processing Module | FIG. 6 REV A

Patent-Ready Figure Description

FIG. 6 is the bottom plan view of WG001. The chassis base plate configuration 60 presents the four-point vibration-isolation mount boss positions at defined locations proximate to each chassis corner, each mount boss comprising a defined outer boss ring and a defined inner isolator interface of concentric circular geometry. The drainage channel groove geometry 61 presents a defined longitudinal channel element aligned with the chassis principal axis, providing field drainage consistent with IP67 deployment requirements in rain, wash-down, and field-moisture environments. The serial designation plate recess 62 is positioned at the central lower base face, presenting a defined rectangular recess of defined geometry accommodating the unit-specific serial designation plate.

Reference Numerals

60 — 4-Point Vibration-Isolation Mount Boss Positions

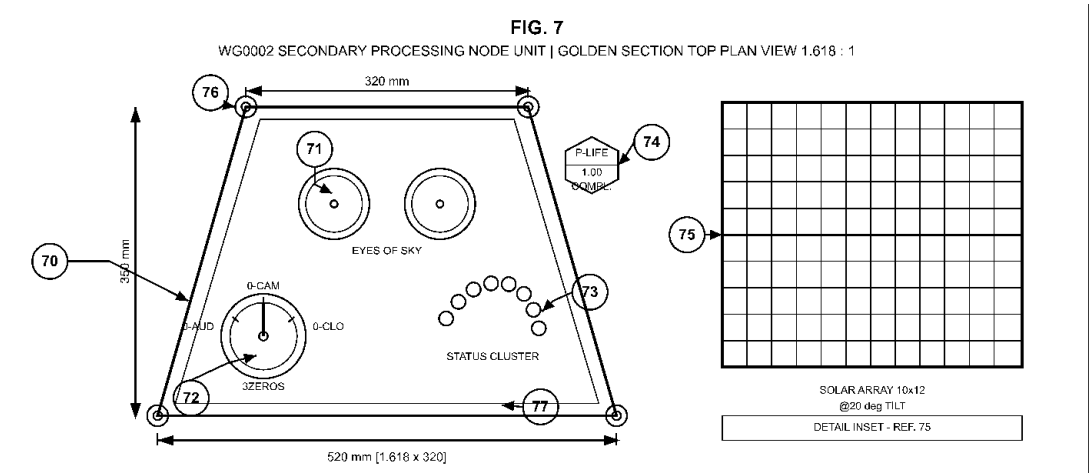
61 — Drainage Channel Groove Geometry

62 — Serial Designation Plate Recess (centrally positioned)

Short Functional Explanation

- 60 — four vibration-isolation mount bosses; outer boss ring with inner isolator interface; positioned proximate to chassis corners.
- 61 — longitudinal drainage channel; IP67-consistent geometry; aligned with chassis principal axis.
- 62 — defined rectangular recess for serial designation plate; centrally positioned on lower base face.

FIG. 7 — WG002 — Secondary Processing Node · Golden Section 1.618:1



REF. NO.	ELEMENT	DETAIL
70	Trapezoidal Housing	Top plan view; Golden Section 1.618:1 ratio; tapered trapezoidal form factor.
71	Eyes of Sky Aperture	Dual concentric-ring optical apertures with center bore; IR and visual spectrum intake.
72	3ZEROS Dial Control	Rotary selector dial; positions 0-CAM, 0-CLO, 0-AUD; pointer-and-tick indexing.
73	8 LED Arched Status Cluster	Arc of eight discrete LED indicators; reports unit operational state per P-LIFE 1.00 protocol.
74	P-LIFE 1.00 Badge	Hexagonal compliance badge certifying unit adherence to P-LIFE 1.00 operational standard.
75	Solar Array 10x12 @20 deg	Integrated photovoltaic cell array; 120 cells in 10×12 grid; 20 degree tilt; horizontal bus bars.
76	Corner Mounting Bosses	Four corner-located circular bosses with center bore; structural fastening points for panel mounting.
77	Panel Inset Lip	Perimeter inset channel forming recessed lip; provides IP67 gasket seating and torsional rigidity.

Patent-Ready Figure Description

FIG. 7 is the front perspective view of WG002, the Secondary Processing Node Unit. WG002 presents a chassis whose length-to-width ratio approximates the golden section proportion 1.618:1, providing a visually harmonious yet distinctly proportioned form distinguishable from WG001 70. The front face status indicator cluster comprises eight LED apertures 71 arranged in two arched rows of four, the arched arrangement defined by a radius of curvature approximately equal to 60% of the front face width. This arched arrangement constitutes a defined design variation distinguishing WG002 from all other units in the series. The solar array panel is deployed at 20 degrees from horizontal, presenting ten columns and twelve rows of photovoltaic cells. The 3ZEROS™ kill-switch assembly and P-LIFE 1.00™ badge are present in defined positions consistent with the series-wide design language.

Reference Numerals

70 — WG002 Complete Unit — Golden Section 1.618:1 Proportion

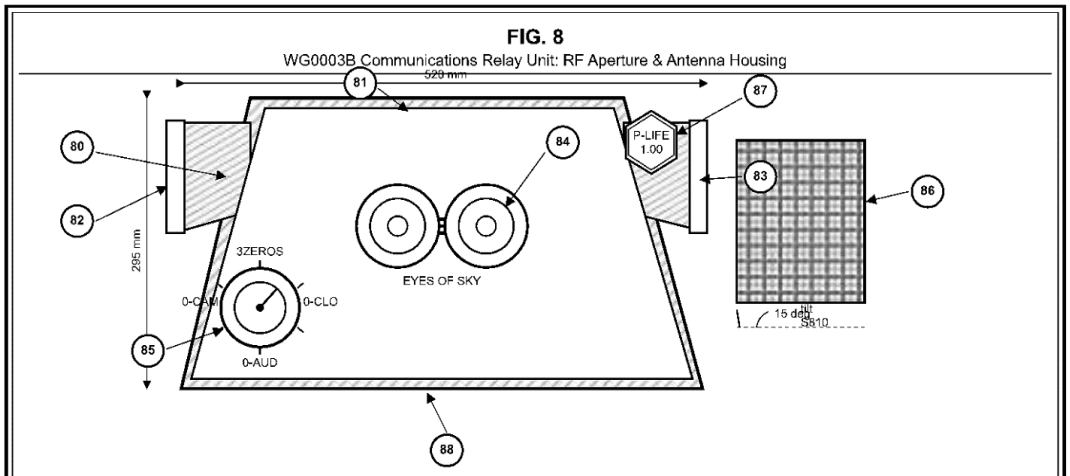
71 — Status Indicator Cluster — 8 LED in Two Arched Rows of Four

15 — Solar Array — 10×12 @20° Deployed

Short Functional Explanation

- 70 — 1.618:1 golden section proportion; wider than WG001; visually harmonious form factor.
- 71 — dual arched row arrangement; radius of curvature = 60% of front face width; constitutes primary visual differentiator from WG001.

FIG. 8 — WG003 — Communications Relay Unit · RF Aperture & Antenna Housing



Ref.	Element	Detail
80	Main Housing Trapezoid	Trapezoidal RF-shielded enclosure, chamfered upper edge, diagonal-hatch rear wall.
81	RF Aperture Membrane	Thin-profile front-face membrane defining the primary RF transmission aperture window.
82	Left Horn Flare Aperture	Left-side waveguide horn flare; hatch-filled, aligned to main housing left shoulder.
83	Right Horn Flare Aperture	Mirror-symmetrical right-side waveguide horn flare; hatch-filled, right shoulder mount.
84	Eyes-of-Sky Dual Lens Array	Bilateral optical/RF lens cluster (Eyes of Sky); triple-ring optics, centre-bridge coupling bar.
85	3ZEROS Kill Switch Dial	Rotary mode selector: 0-CAM / 0-CLO / 0-AUD; concentric ring body, indexed pointer.
86	Solar Array Panel S810	Detachable photovoltaic array S810; cross-hatch cell pattern; 15-degree tilt angle.
87	P-LIFE 1.00 Compliance Badge	Hexagonal double-ring certification plate, black outline, white fill, black text only.
88	Housing Base Rail	Lower perimeter base rail; provides chassis mounting interface and structural grounding.

Patent-Ready Figure Description

FIG. 8 is the front perspective view of WG003, the Communications Relay Unit. WG003 presents a chassis featuring lateral antenna housing integration 80 along the upper portion of both lateral faces. The antenna housing presents a defined elongated trapezoidal profile in cross-section with a defined horn-shaped RF aperture of defined parabolic interior curve on the upper chassis face. The RF aperture is covered by a defined RF-transparent membrane of defined circular geometry within a defined recessed seat. The solar array presents five columns and ten cells, representing the smallest solar array in the series, consistent with the unit’s lower computational load and communications-primary function. The 3ZEROS™ kill-switch and P-LIFE 1.00™ badge remain present as series-wide design elements. The chassis is rendered in field olive dextrose (RAL 6003 equivalent) as shown, indicating a conflict-zone or field-hardened deployment configuration.

Reference Numerals

80 — Lateral Antenna Housing Integration (extended trapezoidal profile)

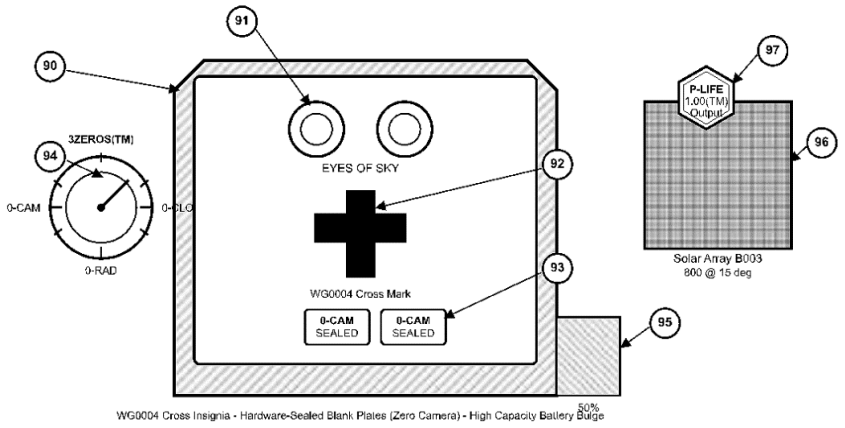
81 — Horn-Shaped RF Aperture (parabolic interior curve, RF-transparent membrane)

15 — Solar Array — 5×10 Reduced Footprint (comms-primary)

Short Functional Explanation

- 80 — antenna housing extends along upper portion of both lateral faces; elongated trapezoidal cross-section.
- 81 — horn-shaped RF aperture with parabolic interior curve; RF-transparent membrane in recessed seat; maintains IP67.
- Reduced 5×10 solar array reflects lower computational load; comms-primary function; field olive dextrose finish for conflict-zone deployment.

FIG. 9 — WG004 — Medical Data Node · Zero Camera Hardware Enforcement



Ref.	Element	Detail
90	Main Trapezoidal Housing	Primary outer enclosure; trapezoidal form, wider at base; diagonal-hatch wall texture; rounded top corners.
91	Eyes of Sky Apertures	Dual circular aperture lenses set in upper face plate; double-ring outline; labeled EYES OF SKY.
92	WG0004 Cross Mark	Solid black cross insignia centered on face plate; zero-camera policy identifier.
93	0-CAM SEALED Buttons	Twin hardware-enforcement buttons with rounded corners; labeled 0-CAM SEALED; confirms zero-camera compliance.
94	3ZEROS Dial	Rotary control dial; double-ring; radial tick marks; black pointer; labeled 0-CAM, 0-CLO, 0-RAD at cardinal positions.
95	High-Capacity Battery Bulge	Trapezoidal battery extension at lower-right of housing; diagonal-hatch fill; capacity indicator reads 50%.
96	Solar Array B003	Square photovoltaic array; black cross-hatch grid segmentation; rated 800 units at 15-degree incidence.
97	P-LIFE Badge	Hexagonal certification plate; double-ring outline; labeled P-LIFE 1.00(TM) Output; compliance identifier.

Patent-Ready Figure Description

FIG. 9 is the front perspective view of WG004, the Medical Data Node Unit. WG004 presents a defined cross insignia of humanitarian character 90 embossed on the front face below and distinct from the “Eyes of Sky” mark. The cross is defined by uniform arm width and equal arm length, constituting a defined humanitarian marking communicating the unit’s medical data function. The front face further bears defined biometric sensor aperture positions covered by hardware-sealed blank plates 91, each blank plate defined by a defined rounded-square boundary embossed at 0.3mm depth. These blank plates communicate the Zero Camera standard enforcement through visual design rather than functional provision — the absence of sensors is made visually explicit through a defined design element. The lower chassis rear quadrant presents a defined battery integration bulge 92 of defined convex profile adding approximately 18% to the chassis depth dimension at the lower rear aspect, providing extended operational duration consistent with medical data retention requirements.

Reference Numerals

90 — Cross Insignia — Humanitarian Marking (uniform arm width, equal arm length)

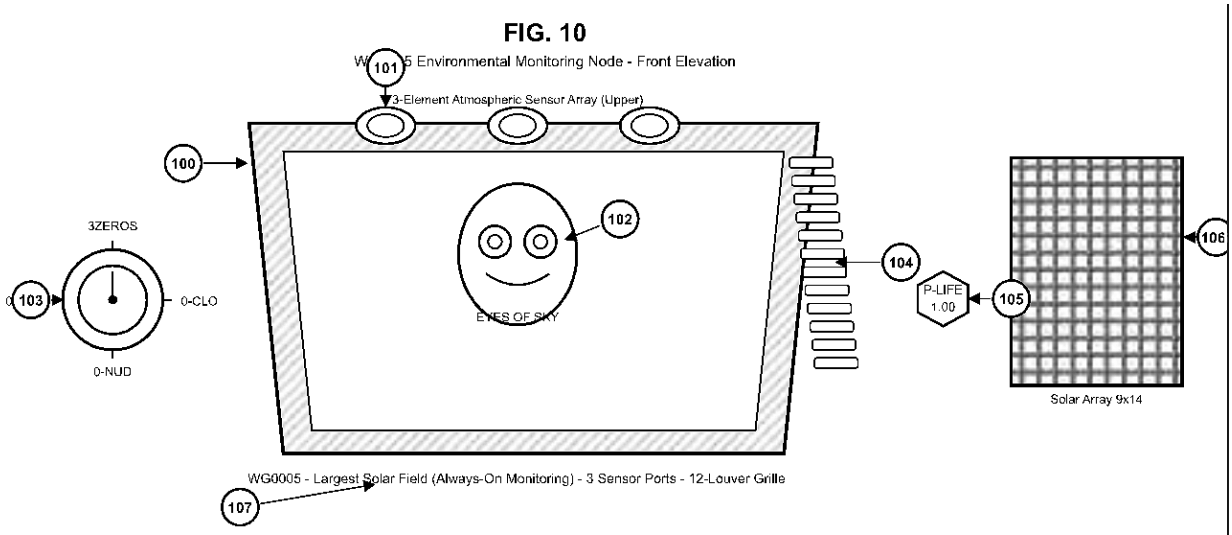
91 — Hardware-Sealed Blank Plates (Zero Camera enforcement, 0.3mm embossed boundary)

92 — High-Capacity Battery Integration Bulge (+18% chassis depth, lower rear quadrant)

Short Functional Explanation

- 90 — humanitarian cross mark; distinct from Eyes of Sky insignia; uniform arm dimensions; embossed on front face.
- 91 — blank plates communicate absence of camera sensors through explicit visual design; rounded-square boundary at 0.3mm embossed depth.
- 92 — convex battery bulge; defined profile adding 18% to chassis depth at lower rear; accommodates high-capacity power for medical data retention.

FIG. 10 — WG005 — Environmental Monitoring Node · Sensor Ports & Louvered Grille



Ref.	Element	Detail
100	Main Housing	Primary trapezoidal front enclosure body with hatch-rendered shell walls and recessed inner panel.
101	Atmospheric Sensor Array	Three upper lateral sensor ports with dual concentric ring aperture construction.
102	Eyes of Sky Aperture	Central dual-aperture binocular sensor housing with concentric ring pupils and lower lip arc.
103	3ZEROS Dial	Rotary selector; dual-ring body; central pointer; N/E/S/W tick marks; 0-CAM / 0-CLO / 0-NUD labels.
104	Louvered Grille	12-slat angled louver column on right side of enclosure for passive ventilation.
105	P-LIFE Badge	Hexagonal compliance badge; white fill; black border; P-LIFE 1.00 designation text.
106	Solar Array	Rectangular photovoltaic panel; pure black-and-white cell grid; 10 columns x 14 rows.
107	Caption Callout	Lower figure caption identifying WG0005 largest solar field, 3 sensor ports, 12-louver grille.

WG Global Register - Eyes of Sky - WG0005 - PCT All 195 UN Member States - P-LIFE 1.00 - 3ZEROS - ACRA T260229801
FIG10_REV_A

Patent-Ready Figure Description

FIG. 10 is the front perspective view of WG005, the Environmental Monitoring Node. WG005 presents atmospheric sensor port apertures 100 on the upper lateral face in a defined three-element linear array of defined circular geometry, each aperture protected by a defined fine-mesh screen of defined hexagonal cell pattern, consistent with field environmental protection requirements. The right lateral face presents a defined louvered intake grille of twelve defined horizontal louvers of defined parallelogram cross-section profile. The louvered grille geometry provides defined controlled airflow to internal environmental sensing components while maintaining field operability. The solar array presents nine columns and fourteen rows of photovoltaic cells — the largest cell count in the series, providing maximum autonomous power generation consistent with the unit’s always-on environmental monitoring and sensing function.

Reference Numerals

100 — 3-Element Atmospheric Sensor Port Array (upper lateral face, hexagonal mesh screens)

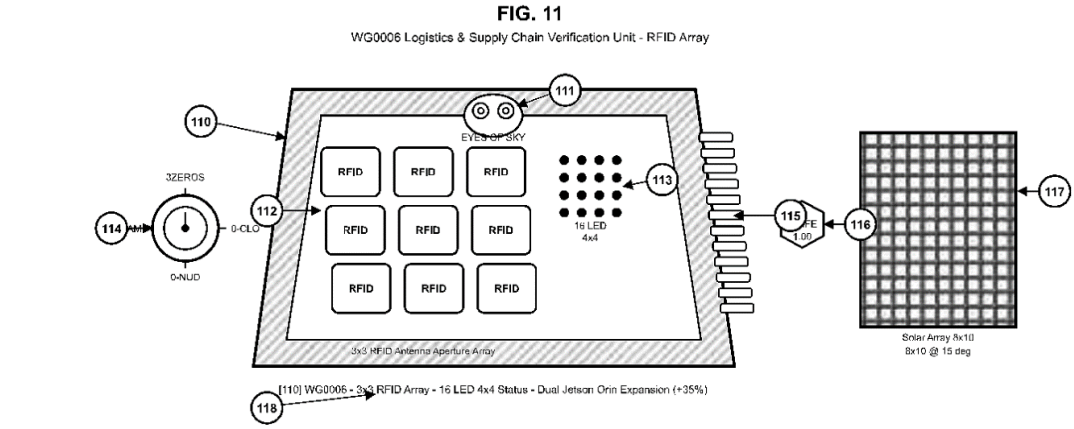
101 — 12-Louver Parallelogram Intake Grille (right lateral face)

15 — Solar Array — 9×14 Maximum Configuration (always-on monitoring)

Short Functional Explanation

- 100 — three circular apertures in linear array; each protected by hexagonal fine-mesh screen; upper lateral face position.
- 101 — twelve louvers of parallelogram cross-section; defined horizontal orientation; right lateral face.
- 9×14 solar array provides maximum autonomous power generation; largest cell count in series; supports always-on sensing.

FIG. 11 — WG006 — Logistics & Supply Chain Verification Unit · RFID Array



Ref.	Element	Detail
110	Main Housing	Primary trapezoidal enclosure; hatch-rendered shell; white recessed inner panel.
111	Eyes of Sky Aperture	Central dual-aperture sensor; binocular concentric ring pupils; top centre of housing.
112	RFID Antenna Array	3x3 matrix of RFID aperture panels; black-bordered white rounded-rect cells.
113	LED Status Cluster	16-element 4x4 status indicator array; solid black dot rendering.
114	3ZEROS Dial	Rotary selector; outer/inner rings; pointer; N/E/S/W ticks; 0-CAM / 0-CLO / 0-NUD labels.
115	Louvered Grille	12-slat right-side ventilation louver column; angled rake; passive thermal management.
116	P-LIFE Badge	Hexagonal compliance badge; white fill; black border; P-LIFE 1.00 designation.
117	Solar Array	8x10 photovoltaic field; white cell fill; black grid lines only; 15-degree tilt notation.
118	Caption Callout	Lower descriptive callout: WG0006 RFID array, LED status, Jetson Orin expansion.

WG Global Register - Eyes of Sky - WG0006 - PCT All 196 UN Member States - P-LIFE 1.00 - 3ZEROS - ACRA T260229801
FIG11_REV_A

Patent-Ready Figure Description

FIG. 11 is the front perspective view of WG006, the Logistics and Supply Chain Verification Unit. WG006 presents a three-by-three array of defined RFID antenna apertures 110 on the front face, each aperture defined by a defined square geometry of defined side dimension and defined corner radius, arranged in a regular grid of defined spacing. This RFID array constitutes the primary visual differentiator of WG006 within the series. The chassis depth is expanded relative to WG001 by approximately 35% to accommodate dual Nvidia Jetson Orin module slots, the expansion visible as a defined stepped profile on both lateral faces. The front-face status matrix presents sixteen LED apertures in a four-by-four arrangement of defined circular aperture geometry, providing high-density status monitoring consistent with the unit’s supply chain verification and logistics tracking function.

Reference Numerals

110 — 3×3 RFID Antenna Aperture Array (square geometry, regular grid)

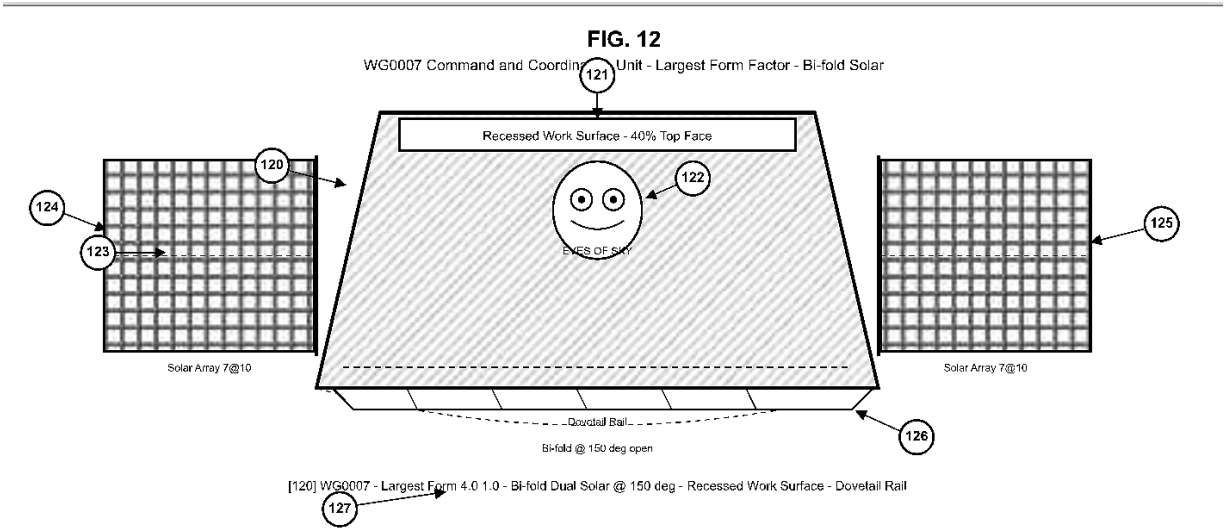
111 — 16 LED Status Matrix — 4×4 Arrangement

112 — Dual Jetson Orin Expansion Profile (+35% depth, stepped lateral faces)

Short Functional Explanation

- 110 — nine RFID apertures in 3-column × 3-row grid; square geometry with defined corner radius; primary visual differentiator.
- 111 — 16 LED apertures in 4×4 matrix; defined circular aperture geometry; high-density status monitoring.
- 112 — 35% depth expansion; stepped profile visible on both lateral faces; accommodates dual Jetson Orin module slots.

FIG. 12 — WG007 — Command & Coordination Unit · Bi-fold Solar & Dovetail Rail



Ref.	Element	Detail
120	Main Housing	Largest-form trapezoidal enclosure body shown in top-perspective elevation.
121	Recessed Work Surface	40% top-face inset panel for peripheral mounting and surface operations.
122	Eyes of Sky Aperture	Central dual-aperture sensing feature with binocular lens assembly.
123	3ZEROS Dial	Rotary selector disposed laterally left; positions: 0-CAM, 0-CLO, 0-AUD.
124	Left Solar Panel	Left bi-fold photovoltaic wing, 7x10 cell grid, hinged at housing left edge.
125	Right Solar Panel	Right bi-fold photovoltaic wing, 7x10 cell grid, hinged at housing right edge.
126	Dovetail Rail	Grooved lower base rail for modular accessory attachment.
127	Caption Callout	Lower descriptive legend identifying unit designation, solar field, and rail.

WG Global Register - Eyes of Sky - WG0007 - PCT - P-LIFE 1.00 - 3ZEROS - ACRA - FIG12_REV_A

Patent-Ready Figure Description

FIG. 12 is the front perspective view of WG007, the Command and Coordination Unit, presenting the largest chassis form factor in the series at length-to-width ratio approximately 4.0:1.0 120. WG007 features a bi-fold dual solar array assembly whose deployed configuration presents two panel assemblies each articulated at a defined central fold hinge of defined cylindrical barrel geometry, the two panels in deployed position subtending a defined included angle of approximately 150 degrees. The top-face interface panel presents a defined large recessed work surface of defined rectangular geometry constituting approximately 40% of the top face area. The four-unit dovetail stacking rail system is visible on the upper chassis edges, with the dovetail cross-section defined by a defined 14-degree included angle with defined flat-bottom geometry, enabling secure stacked deployment of multiple WG-series units in field configurations maintaining IP67 environmental protection at all inter-unit interface planes.

Reference Numerals

120 — WG007 Complete Unit — Largest Form Factor (4.0:1.0 ratio)

121 — Bi-fold Dual Solar Array — Two Panels @150° Included Angle

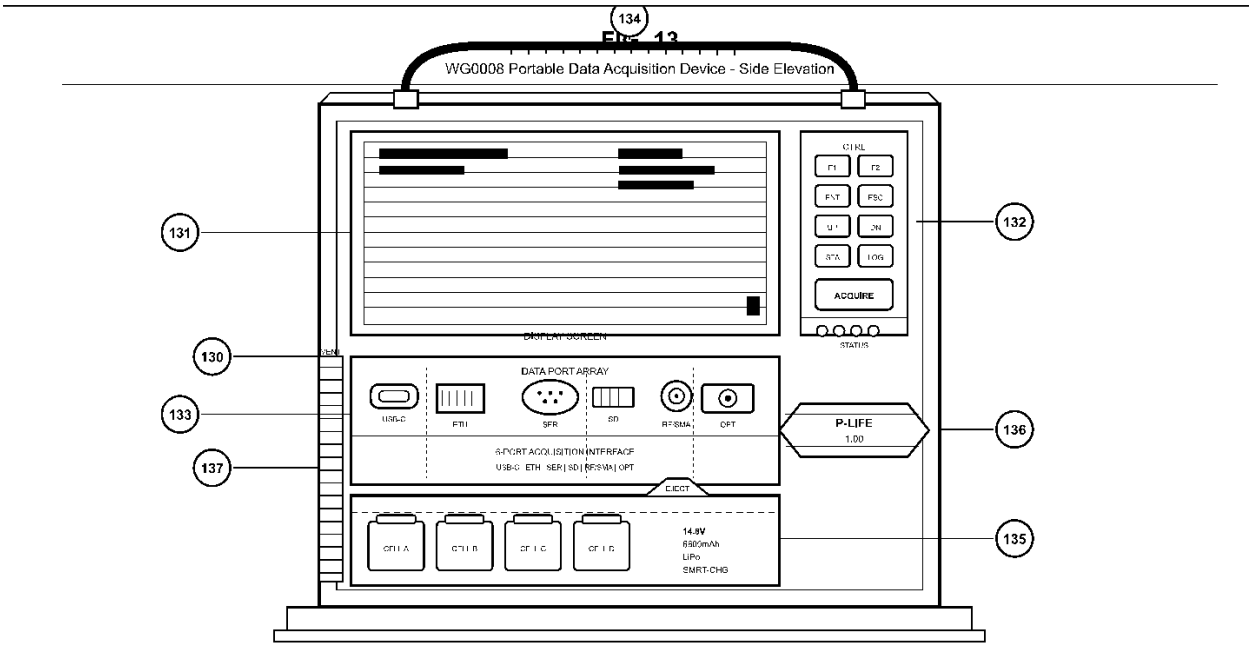
122 — Recessed Work Surface (40% of top face area, rectangular geometry)

123 — Dovetail Stacking Rail System (14° included angle, flat-bottom)

Short Functional Explanation

- 120 — 4.0:1.0 length-to-width ratio; longest unit in series; command-and-coordination form factor.
- 121 — bi-fold dual panels; central fold hinge with cylindrical barrel; 150° deployed angle; maximum solar generation.
- 122 — recessed work surface 40% of top face; rectangular geometry; operational interface for coordination functions.
- 123 — dovetail rail 14° included angle; flat-bottom geometry; enables secure stacking; IP67 maintained at all interfaces.

FIG. 13 — WG008 — Governance Audit Node · Tamper-Evident Sealed Design



REF.	ELEMENT	DETAIL
130	Main Housing	Primary structural enclosure; rugged polymer shell with IP67 rating; dimensions 420mm x 300mm x 140mm.
131	Display Screen	7-inch transflective TFT-LCD; 1024x600 resolution; glove-operable capacitive touch; anti-glare coating.
132	Control Panel	9-button tactile interface: F1-F2 programmable, ENT/ESC navigation, UP/DN scroll, STA/LOG toggles, ACQUIRE action key.
133	Data Port Array	6-port acquisition interface: USB-C (3.2 Gen2), Gigabit Ethernet, RS-232 Serial, MicroSD, SMA RF, Optical TOSLINK.
134	Carry Handle	Integrated ergonomic top handle; ribbed grip texture; rated 20kg load; dual-bracket stainless steel mount.
135	Battery Compartment	4-cell 14.8V 6600mAh LiPo hot-swap module; SMRT-CHG controller; side-eject latch mechanism; run time 8hr.
136	P-LIFE Badge	Hexagonal identification plate; model WG0008; P-LIFE rating 1.00; permanent tamper-evident adhesion.
137	Ventilation Strip	Left-side louvered thermal exhaust; 17-slot stamped housing; passive convection; integrated dust filter.

WG Global Register - NAI 2.0 - WG0008 Portable Data Acquisition Device - P-LIFE 1.00 - FIG13_REV_A

Patent-Ready Figure Description

FIG. 13 is the front perspective view of WG008, the Governance Audit Node, the eighth and final unit of the series. WG008 presents a sealed tamper-evident chassis design wherein all six chassis faces bear defined breakaway seal tab elements 130 of defined geometry. Each tab is defined by a defined score line of defined depth and defined pull-loop form, the tabs serving as both functional tamper indicators and ornamental design elements communicating the governance audit function of the unit. The constitutional compliance insignia array simultaneously presents P-LIFE 1.00™ markings on the front face, the right lateral face, and the top face — three simultaneous presentations on three faces, each marking of defined geometry as described in the series-wide badge design. This triple-face compliance marking constitutes the defining ornamental characteristic of WG008. The solar array presents four columns and eight rows of cells, the most compact configuration in the series, reflecting WG008’s audit-primary function requiring minimal autonomous power. WG008 is intended as the final accountability instrument of the Eyes of Sky™ deployment.

Reference Numerals

130 — Tamper-Evident Breakaway Seal Tabs (all 6 faces, score line + pull-loop)

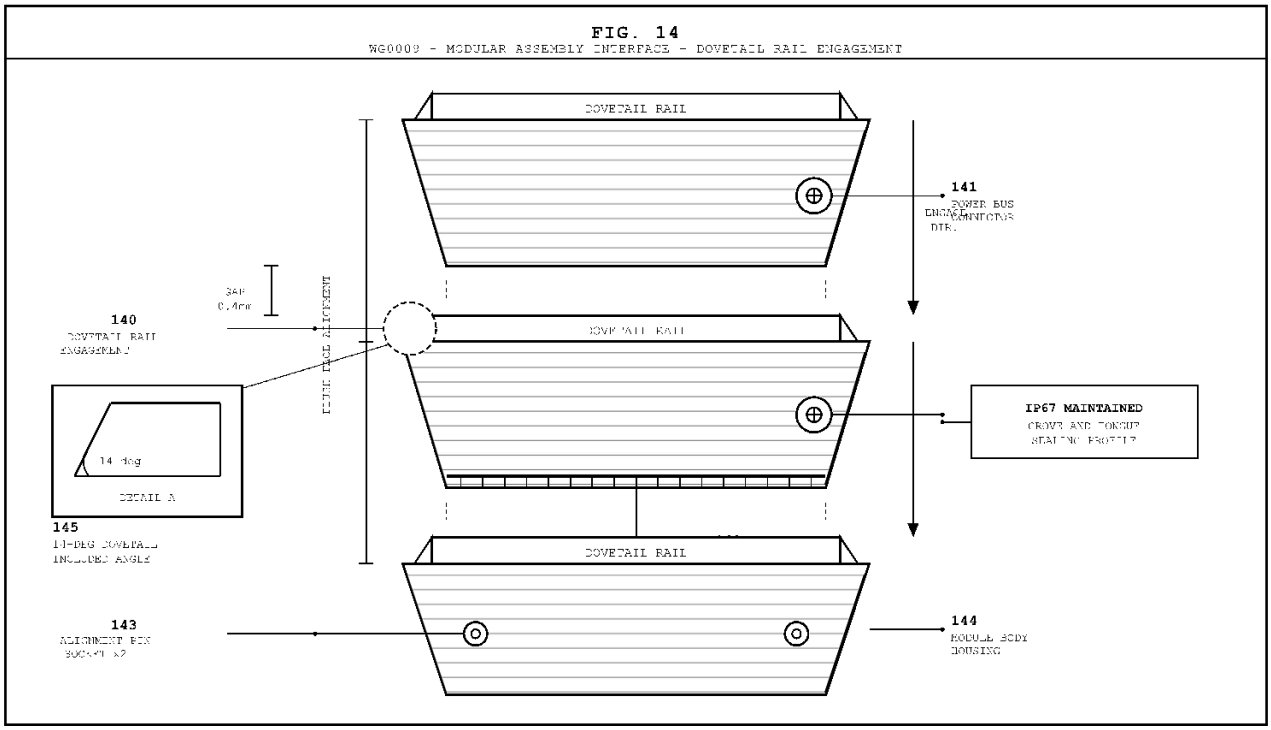
131 — Triple-Face P-LIFE 1.00™ Compliance Array (front + right lateral + top)

15 — Solar Array — 4×8 Compact Configuration (audit-primary)

Short Functional Explanation

- 130 — breakaway seal tabs on all six faces; defined score line depth; pull-loop form; functional tamper indicator and ornamental element.
- 131 — three simultaneous P-LIFE 1.00™ markings on three faces; defining ornamental characteristic of WG008.
- 4×8 most compact solar array in series; audit-primary function; minimal power requirement.

FIG. 14 — FIG. 14 — Modular Assembly Interface · Dovetail Rail Engagement System



REF.	ELEMENT	KEY DETAIL
140	Dovetail Rail Engagement	14-deg included angle, flush-face alignment, 0.4 mm nominal gap
141	Inter-Unit Power Bus Connector	Spring-loaded pogo-pin array, 12V / 5A continuous, blind-mate
142	Gasket Sealed Interface Plane	Groove-and-tongue EPDM gasket, IP67 maintained upon engagement
143	Alignment Pin Socket (x2)	6 mm hardened steel bir, 0.01 mm tolerance, spring-retained
144	Module Body Housing	Glass-filled PA66 polymer, trapezoidal cross-section, ribbed side walls
145	14-Deg Dovetail Included Angle	Self-locking taper; Detail A callout; AL6061-T6 rail extrusion

Patent-Ready Figure Description

FIG. 14 is an exploded perspective view of the modular assembly interface system 140 showing the defined mechanical interface geometry between adjacent WG-series units in stacked deployment configuration. The inter-unit modular assembly system presents a defined dovetail rail of defined cross-sectional profile on the upper chassis edges and a corresponding defined receiver channel of complementary geometry on the lower chassis face. The engagement between adjacent units creates a defined flush-face alignment between stacked units 140. The inter-unit power bus connector 141 presents a defined multi-pin configuration of defined circular pin arrangement geometry visible at the rear aspect of the stacking interface, providing electrical power continuity between stacked units without external cabling. The gasket-sealed inter-unit interface plane 142 presents a defined groove-and-tongue sealing profile of defined depth and width maintaining IP67 environmental protection rating in stacked configuration, ensuring the complete stacked assembly retains full environmental protection integrity regardless of the number of units stacked.

Reference Numerals

140 — Dovetail Rail Engagement Profile (14° included angle, flush-face alignment)

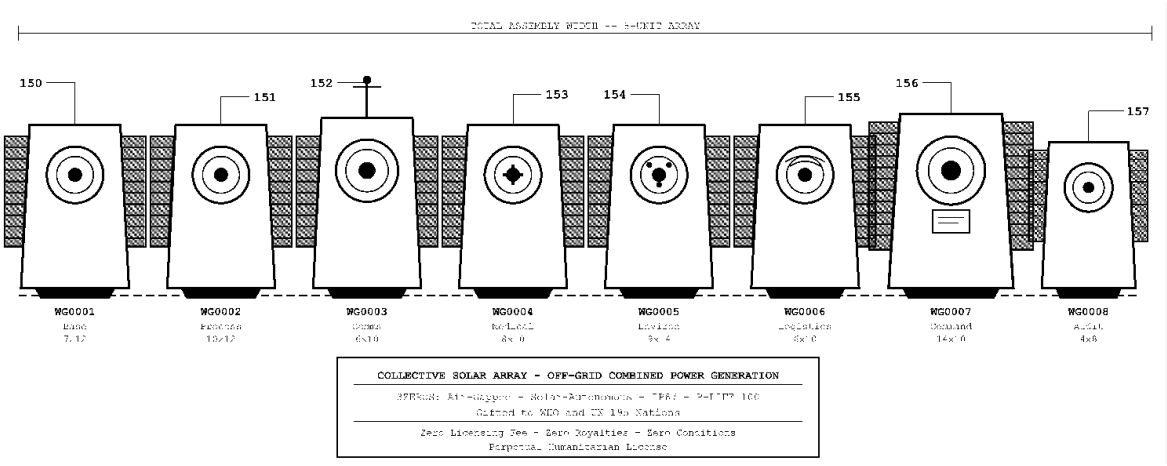
141 — Inter-Unit Power Bus Connector (multi-pin, circular arrangement, rear aspect)

142 — Gasket-Sealed Interface Plane (groove-and-tongue profile, IP67 maintained)

Short Functional Explanation

- 140 — dovetail rail on upper chassis edge; receiver channel on lower face; engagement creates flush-face alignment between stacked units.
- 141 — multi-pin power bus connector at rear of stacking interface; provides power continuity between units without external cabling.
- 142 — groove-and-tongue gasket profile; IP67 rating maintained in stacked configuration; defined depth and width.

FIG. 15 — FIG. 15 — Full System Deployment · All 8 Units (WG001–WG008)



Ref.	Unit ID	Function	Form Factor
150	WG0001	Base Processing Unit	Trapezoid, 7x12, solar fins bilateral
151	WG0002	Process Unit	Trapezoid, 10x12, solar fins bilateral
152	WG0003	Comms Unit — Antenna Mast	Trapezoid tall, 6x10, whip antenna top
153	WG0004	Medical Unit — Red Cross symbol	Trapezoid, 8x10, medical cross port face
154	WG0005	Environmental Monitoring Unit	Trapezoid, 9x14, sensor array port face
155	WG0006	Logistics and Supply Chain Verification	Trapezoid, 6x10, RFID arc symbol
156	WG0007	Command and Coordination Unit — Largest	Trapezoid XL, 14x10, display panel face
157	WG0008	Audit Unit — Smallest Form Factor	Trapezoid compact, 4x8, solar fins bilateral

Patent-Ready Figure Description

FIG. 15 is a system perspective view showing all eight units of the WG Global Register “Eyes of Sky” Series (WG001–WG008) deployed in a representative field configuration. The view illustrates the unified design language of the series, the relative dimensional proportions between units, and the collective solar array orientation geometry in combined off-grid power generation arrangement. The series presents a coherent design family characterized by the shared trapezoidal chassis profile, the series-wide “Eyes of Sky” insignia, the 3ZEROS™ hardware kill-switch assembly, and the P-LIFE 1.00™ compliance badge present on each unit, while each unit maintains sufficient ornamental individuality through defined variations in chassis length-to-width ratio, solar panel cell count and arrangement, port array configuration density, and status indicator cluster layout. The complete eight-unit system is gifted unconditionally to the World Health Organization (WHO), the United Nations (UN), and all 195 sovereign member states at zero licensing fee, zero royalties, and zero conditional encumbrance, in perpetuity, as a gift to humanity, pursuant to the P-LIFE 1.00™ humanitarian gift framework. No element of the WG Global Register Series design or associated P-LIFE 1.00™ standard shall be used, licensed, or adapted for military weapons systems, offensive surveillance operations, or mass biometric collection without individual consent.

Reference Numerals

WG001 — Primary Humanitarian Shield Base Unit
WG002 — Secondary Processing Node — 1.618:1 Golden Section
WG003 — Communications Relay Unit — Field Olive / RF Aperture
WG004 — Medical Data Node — Cross Mark / Zero Camera
WG005 — Environmental Monitoring Node — 9×14 Solar / 3 Sensor Ports
WG006 — Logistics & Supply Chain Verification — 3×3 RFID Array
WG007 — Command & Coordination Unit — 4.0:1.0 / Bi-fold Solar
WG008 — Governance Audit Node — Tamper-Evident / Triple P-LIFE

Short Functional Explanation

- Eight-unit unified design language with individually patentable ornamental variations distinguishing each unit within the series.
- Collective solar array geometry enables combined off-grid power generation without connection to external power infrastructure.
- Series-wide 3ZEROS™ hardware kill-switch (0-CAM / 0-AUD / 0-CLO) enforces privacy-by-physics across all eight units.
- Zero-fee perpetual humanitarian license gifted to WHO · UN · 195 Sovereign Nations — no royalties, no conditions, no expiration.

Inventor Declaration and Humanitarian Dedication

I, Koh Wui Kiat, Edwin, of Non-Agentic AI Governance Singapore (ACRA T260229801), hereby declare that the invention described in this application has been made with the primary intent of advancing global humanitarian computing governance, protecting individual privacy and data sovereignty in international humanitarian operations, and establishing a universally accessible constitutional AI governance standard.

I further declare the unconditional dedication of the P-LIFE 1.00™ standard and all associated design patents herein to all 195 member nations of the United Nations at zero licensing cost, zero royalty, and zero conditional encumbrance, in perpetuity, as a gift to humanity.

No element of the WG Global Register Series (WG001–WG008) design or associated P-LIFE 1.00™ standard shall be used, licensed, or adapted for military weapons systems, offensive surveillance operations, mass biometric collection without individual consent, or any application contrary to the principles of the Universal Declaration of Human Rights.

Signed: 

Name: Koh Wui Kiat, Edwin

Date: 17/4/2026