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Result list

2 results found in the Worldwide database for:

Chitu Viorel Gabriel as the applicant AND **Chitu Viorel Gabriel** as the inventor

1. AUTONOMOUS INTEGRATED SYSTEM OF INTERCONNECTED DRONE NETWORKS FOR SECURING MARITIME- AND RIVER-BORDERS					
Inventor: CHITU VIOREL GABRIEL [RO]	Applicant: CHITU VIOREL GABRIEL [RO]	CPC:	IPC: B64U10/00	Publication info: RO139456 (A0) 2026-03-30	Priority date: 2025-09-29
2. MODULAR PHOTOVOLTAIC SEA DRONE BEARING AIR DRONES, ANTI-DRONE MISSILES AND UNDERWATER DRONES					
Inventor: CHITU VIOREL GABRIEL [RO]	Applicant: CHITU VIOREL GABRIEL [RO]	CPC:	IPC: B63B1/12 B63B35/50 B63H5/07	Publication info: RO139230 (A0) 2025-11-28	Priority date: 2025-06-16

**Espacenet****Bibliographic data: RO139456 (A0) — 2026-03-30**

AUTONOMOUS INTEGRATED SYSTEM OF INTERCONNECTED DRONE NETWORKS FOR SECURING MARITIME- AND RIVER-BORDERS**Inventor(s):** CHITU VIOREL GABRIEL [RO] ± (CHITU VIOREL GABRIEL)**Applicant(s):** CHITU VIOREL GABRIEL [RO] ± (CHITU VIOREL GABRIEL)**Classification:** - international: **B64U10/00**
- cooperative:**Application number:** RO20250000424 20250929**Priority number(s):** RO20250000424 20250929 ;**Also published as:** RO139456 (A0)**Abstract of RO139456 (A0)**

The invention relates to an autonomous integrated system of interconnected drone networks for securing maritime and river borders. According to the invention, the system consists of a number of modular photovoltaic maritime drones carrying air drones, anti-drones missiles and submerged drones with satellite connection, the system being provided with GNSS navigation system, sensors, video cameras, microphones, sonars and being able to transmit images and sounds from the water level, from air and from underwater, as well as real-time information, to a command center, the data being processed by artificial intelligence.



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Bibliographic data: RO139230 (A0) — 2025-11-28

MODULAR PHOTOVOLTAIC SEA DRONE BEARING AIR DRONES, ANTI-DRONE MISSILES AND UNDERWATER DRONES

Inventor(s): CHITU VIOREL GABRIEL [RO] ± (CHITU VIOREL GABRIEL)

Applicant(s): CHITU VIOREL GABRIEL [RO] ± (CHITU VIOREL GABRIEL)

Classification: - international: **B63B1/12; B63B35/50; B63H5/07**
- cooperative:

Application number: RO20250000248 20250616

Priority number(s): RO20250000248 20250616 ;

Also published as: RO139230 (A0)

Abstract of RO139230 (A0)

The invention relates to a modular photovoltaic trimaran-type maritime vessel meant for reconnaissance, surveillance, control, search and rescue, security, inspection, transport, military attack and environmental missions. According to the invention, the vessel consists of a sea drone (53) consisting of three bodies (1, 2 and 3), each with three decks (27, 28, 29 and 30, 31, 32), bow and stern, respectively, a landing run (8) for an air drone (54) having a protective case (19) with a trap (23), fixed with some cross-members (4, 5, 6 and 7) with screws (34) and butterfly nuts (18), some anti-drone missiles (55) being located at the port and starboard sides of the sea drone (53) within some recesses (25), an underwater drone (56) connected to the sea drone (53) by an optical fiber (57) wound on the drum of a winch servo-mechanism mounted on the second body (2), as well as a flexible photovoltaic panel (9) located in the central zone of the sea drone (53), four electric motors connected by elastic couplings to some airscrew-carriers (20) with four left and right airscrews (21) achieving the propulsion while the direction is ensured by two cams (22) connected to two servo-mechanisms by two tillers and two levers, as well as by the variation of the motors of the first and third body (1 and 3).



(12)

CERERE DE BREVET DE INVENȚIE

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(54)

DRONĂ VELIER MODULARĂ PURTĂTOARE DE DRONE SUBACVATICE ȘI MINIDRONE USV

(57) Rezumat:

Invenția se referă la o dronă velier modulară, purtătoare de drone subacvatice și minidrone USV, destinată a fi utilizată în misiuni militare și civile, de căutare și salvare marină și subacvatică, de securitate, inspecție și mediu. Drona velier (1), conform invenției, trimaran, fotovoltaică, cu rază mare de acțiune 24/7, transmițând imagini 4k în timp real și prelucrând datele cu AI, pentru detectarea, interceptarea și distrugerea dronelor navale și subacvatice inamice, prezintă, montate respectiv la babord și tribord pe o traversă (13)

cu servomecanisme de decuplare, două drone subacvatice (2) și două minidrone USV (3), o velă mică sau focul (4), o velă mare sau randa (5), un catarg (6), niște straiuri (7), o cameră video (8), o antenă GPS (9), un derivor (10) pe care e montat un bulb (11), o cârmă (12) și două panouri fotovoltaice (14).

Revendicări: 5

Figuri: 7 (se publică figura 1)