

Title (en)

THE SUBJECT OF THE INVENTION IS AN AERO POWER UNIT WITH (JET, ENGINE OR ELECTRIC) POWER DRIVE AND EQUIPMENT FOR PARACHUTES AND PARAGLIDERS

Title (de)

FLUGANTRIEBSEINHEIT MIT DÜSEN-, MOTOR- ODER ELEKTRISCHEM ANTRIEB UND AUSRÜSTUNG FÜR FALLSCHIRME UND GLEITSCHIRME

Title (fr)

UNITÉ D'AÉROPUISSANCE À TRANSMISSION DE PUISSANCE (MOTEUR À RÉACTION OU ÉLECTRIQUE) ET ÉQUIPEMENT DE PARACHUTES ET DE PARAPENTES

Publication

EP 3924250 A4 20221102 (EN)

Application

EP 20755267 A 20200214

Priority

- PL 42892819 A 20190215
- PL 2020000016 W 20200214

Abstract (en)

[origin: WO2020167150A1] Aero power unit with drive and equipment. Construction and method of folding and unfolding/opening of the unit for a parachute jump and for a gliding flight consisting in the use of draw-out arms (2) of engine fixing booms (1) or hinge fixed arms maintaining the drives/engines (1) in a respectively arranged position in relation to the jumper's body to ensure the dimensions and balancing the system weight in a way which enables a parachute jump. Vertically and horizontally tilting (x, y) fixing of the power unit to achieve the dimensions in the folded position allowing for a parachute jump and, during flight in an open main or spare canopy, better manoeuvring/agility possibilities for the parachutist and to obtain the possibility to compensate negative outside aspects, such as for example wind, by fixing the thrust corresponding to the situation/power unit angle. The use of the chest module (4) as a container for a battery or a fuel tank depending on the type of used engines.

IPC 8 full level

B64C 31/036 (2006.01); **B64C 39/02** (2006.01)

CPC (source: EP)

B64C 31/036 (2013.01); **B64C 39/026** (2013.01)

Citation (search report)

- [A] EP 2607236 A2 20130626 - DREAMSCIENCE PROPULSION LTD [GB]
- [A] US 2015210401 A1 20150730 - CATTANI ENRICO [IT]
- [A] EP 3176079 A1 20170607 - SKY SPORT INT PVT LTD [LK]
- [A] CN 106275435 A 20170104 - XU HONG'EN
- See references of WO 2020167150A1

Designated contracting state (EPC)

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