

Title (en)

DEVICE AND SYSTEM FOR RELEASING, MAINTAINING IN FLIGHT AND RECOVERING A TETHERED AEROSTAT

Title (de)

VORRICHTUNG UND SYSTEM ZUR FREISETZUNG, AUFRECHTERHALTUNG IM FLUG UND RÜCKGEWINNUNG EINES ANGEKÜNDENEN LUFTBALLONS

Title (fr)

DISPOSITIF ET SYSTÈME DE LARGAGE, DE MAINTIEN EN VOL ET DE RÉCUPÉRATION D'UN AÉROSTAT CAPTIF

Publication

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Application

EP 21810679 A 20211102

Priority

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Abstract (en)

[origin: CA3196997A1] The invention relates mainly to a device and system for automatically releasing, maintaining in flight and recovering a tethered aerostat (2), comprising: ? a platform (3) having a rotatably movable part (5), a recovery device (7) for recovering the tethered balloon (2) secured to the movable part (5), and at least first (8) and second (9) winches; ? a first cable (10) referred to as umbilical cable connected to the first winch (8) and of which one end is designed to be secured to the aerostat (2), and ? a second cable (11) referred to as sling divided into at least one adapted mooring portion (12) of which one end is designed to be secured to the aerostat (2), and a connecting portion (13) connected to the second winch (9), said connecting portion (13) having a linear mass less than or equal to seven grams per metre and a length greater than that of the mooring portion (12).

IPC 8 full level

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