Title (en)

CAPSULE FOR PROTECTING AN ELECTRONIC DEVICE INSIDE A WEAR ELEMENT OF AN EARTH MOVING MACHINE

Title (de)

KAPSEL ZUM SCHUTZ EINER ELEKTRONISCHEN VORRICHTUNG IN EINEM VERSCHLEISSELEMENT EINER ERDBEWEGUNGSMASCHINE

Title (fr)

CAPSULE POUR PROTÉGER UN DISPOSITIF ÉLECTRONIQUE À L'INTÉRIEUR D'UN ÉLÉMENT D'USURE D'UN ENGIN DE TERRASSEMENT

Publication

EP 3715537 A1 20200930 (EN)

Application

EP 19382230 A 20190329

Priority

EP 19382230 A 20190329

Abstract (en)

Capsule (1) for protecting an electronic device (2) inside a wear element (3) of an earth moving machine, corresponding wear element and machine. The capsule (1) has a central axis (4) defining an axial direction, a front end (8), and a rear end (9). The capsule (1) comprises a container (5), extending in the axial direction from said front end (8), provided with an inner chamber (53) for housing said electronic device (2), and has a front part (51) provided with a flange (7), and a rear part (52). The capsule (1) also comprises a cover (6) that can be removably coupled to said container (5) and configured for covering said rear part (52) of said container (5).

IPC 8 full level

E02F 9/28 (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP)

E02F 9/26 (2013.01); **E02F 9/28** (2013.01)

Citation (search report)

- [A] EP 3327205 A1 20180530 - METALOGENIA RESEARCH & TECH SL [ES]
- [A] US 8890672 B2 20141118 - MILLER LEE [US]
- [A] US 2013071213 A1 20130321 - ALLOUCHE EREZ N [US], et al
- [A] WO 2012116408 A1 20120907 - ENCORE AUTOMATION PTY LTD [AU], et al

Cited by

IT202200001370A1; EP4089239A1; WO2022090411A1; WO2023144745A1; WO2022171910A1; WO2022090412A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3715537 A1 20200930; AU 2020252125 A1 20210916; CL 2021002229 A1 20220318; CN 113574228 A 20211029; CN 113574228 B 20221227; EP 3947831 A1 20220209; EP 3947831 B1 20230322; ES 2943537 T3 20230614; WO 2020201125 A1 20201008

DOCDB simple family (application)

EP 19382230 A 20190329; AU 2020252125 A 20200327; CL 2021002229 A 20210823; CN 202080021605 A 20200327; EP 2020058784 W 20200327; EP 20714215 A 20200327; ES 20714215 T 20200327