

Title (en)

WEAR PARTS FOR EARTH WORKING EQUIPMENT

Title (de)

VERSCHLEISSTEILE FÜR ERDBEWEGUNGS AUSTRÜSTUNG

Title (fr)

PARTIES D'USURE D'ÉQUIPEMENT DE TRAVAIL DE LA TERRE

Publication

**EP 3710642 A4 20210804 (EN)**

Application

**EP 18879494 A 20181115**

Priority

- US 201762588140 P 20171117
- US 2018061381 W 20181115

Abstract (en)

[origin: US2019153703A1] A ground-engaging wear part for earth working equipment that includes a cap received in an opening to overlie a lock and/or sensor. The cap may engage a lock to facilitate movement of the lock or a lock component without needing to remove the cap, protect an underlying sensor and/or limit the ingress of fines.

IPC 8 full level

**E02F 9/28** (2006.01)

CPC (source: EP US)

**E02F 9/2808** (2013.01 - US); **E02F 9/2833** (2013.01 - EP US); **E02F 9/2858** (2013.01 - EP); **E02F 9/2825** (2013.01 - EP US)

Citation (search report)

- [XD] US 2016237657 A1 20160818 - CARPENTER CHRISTOPHER M [US], et al
- [X] US 2015096207 A1 20150409 - TASOVSKI VASIL S [US]
- [X] WO 2016167965 A1 20161020 - CATERPILLAR INC [US]
- See references of WO 2019099741A1

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

DOCDB simple family (publication)

**US 2019153703 A1 20190523**; AR 113519 A1 20200513; AU 2018370117 A1 20200528; BR 112020009011 A2 20201201;  
CA 3082475 A1 20190523; CL 2020001236 A1 20200911; EP 3710642 A1 20200923; EP 3710642 A4 20210804; MX 2020004900 A 20200806;  
WO 2019099741 A1 20190523

DOCDB simple family (application)

**US 201816192711 A 20181115**; AR P180103367 A 20181116; AU 2018370117 A 20181115; BR 112020009011 A 20181115;  
CA 3082475 A 20181115; CL 2020001236 A 20200508; EP 18879494 A 20181115; MX 2020004900 A 20181115; US 2018061381 W 20181115