

Title (en)

LOCKING DEVICE WITH HIGH RESISTANCE TO ABRASION, DRILLING AND CUTTING

Title (de)

VERRIEGELUNGSVORRICHTUNG MIT HOHEM WIDERSTAND GEGEN ABRASION, BOHREN UND SCHNEIDEN

Title (fr)

DISPOSITIF DE VERROUILLAGE À HAUTE RÉSISTANCE À L'ABRASION, AU PERÇAGE ET AU DÉCOUPAGE

Publication

**EP 3574169 A1 20191204 (EN)**

Application

**EP 17715788 A 20170126**

Priority

IT 2017000015 W 20170126

Abstract (en)

[origin: WO2018138743A1] A locking device (1) with high resistance to abrasion, drilling and cutting, which comprises, on at least one of its outer surfaces (1a), at least one layer (2) of a protective material that comprises a plurality of diamonds (3) and at least one binder (4), the volumetric density of the diamonds (3) in the protective material being comprised between 10 carats/cm<sup>3</sup> and 50 carats/cm<sup>3</sup>.

IPC 8 full level

**E05B 9/00** (2006.01); **E05B 9/02** (2006.01); **E05B 9/04** (2006.01); **E05B 15/16** (2006.01); **E05B 67/00** (2006.01)

CPC (source: EP)

**E05B 15/1614** (2013.01); **E05B 9/00** (2013.01); **E05B 9/02** (2013.01); **E05B 9/04** (2013.01); **E05B 67/003** (2013.01)

Citation (search report)

See references of WO 2018138743A1

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)

**WO 2018138743 A1 20180802**; EP 3574169 A1 20191204

DOCDB simple family (application)

**IT 2017000015 W 20170126**; EP 17715788 A 20170126