

Title (en)

Fastening device

Title (de)

Eintreibvorrichtung

Title (fr)

Outil de fixation

Publication

EP 2604389 A3 20140430 (DE)

Application

EP 12190727 A 20121031

Priority

DE 102011088778 A 20111216

Abstract (en)

[origin: EP2604389A2] An apparatus for deflecting force, has a force deflector for deflecting direction of force. The force deflector has a protective layer.

IPC 8 full level

B25C 1/06 (2006.01)

CPC (source: EP US)

B25C 1/00 (2013.01 - US); **B25C 1/06** (2013.01 - EP US)

Citation (search report)

- [X] DE 102010030118 A1 20111215 - HILTI AG [LI]
- [X] WO 2008123485 A1 20081016 - HITACHI KOKI KK [JP], et al
- [X] DE 102008033267 A1 20100121 - CONTITECH ANTRIEBSSYSTEME GMBH [DE]
- [X] JP S61140640 A 19860627 - TORAY INDUSTRIES

Cited by

EP3670090A1; US11926029B2; US10814465B2; US11633839B2; WO2020126367A1

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 2604389 A2 20130619; EP 2604389 A3 20140430; CA 2796860 A1 20130616; CN 103158108 A 20130619; DE 102011088778 A1 20130620; JP 2013136145 A 20130711; TW 201332721 A 20130816; US 2013153621 A1 20130620

DOCDB simple family (application)

EP 12190727 A 20121031; CA 2796860 A 20121123; CN 201210531748 A 20121211; DE 102011088778 A 20111216; JP 2012257264 A 20121126; TW 101139036 A 20121023; US 201213713399 A 20121213