

Title (en)  
Metal connector

Title (de)  
Metallischer Steckverbinder

Title (fr)  
Connecteur à fiches métallique

Publication  
**EP 1841016 B1 20110504 (DE)**

Application  
**EP 07005532 A 20070317**

Priority  
DE 202006005177 U 20060331

Abstract (en)  
[origin: US2007232116A1] The invention proposes a metallic push-pull connector for use in harsh and moist industrial environments that is provided with a sliding sleeve and features an interlocking device that causes the connector to be interlocked with a mating connector during the installation process, wherein the interlocking hooks of the interlocking device are levered out of snap-in depressions in the mating connector by means of a wedge-shaped slope when the sliding sleeve is pulled back.

IPC 8 full level  
**H01R 13/627** (2006.01)

CPC (source: EP US)  
**H01R 13/6275** (2013.01 - EP US); **H01R 13/629** (2013.01 - EP US)

Cited by  
DE102017127991A1; DE102018104017A1; CN113948913A; DE102019103853A1; DE102017127991B4; WO2020164662A1; WO2019101269A1; US10978830B2; WO2019161848A1; US11205875B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007232116 A1 20071004; US 7335047 B2 20080226**; AT E508502 T1 20110515; CN 100594642 C 20100317; CN 101047293 A 20071003; DE 202006005177 U1 20060608; DE 502007007096 D1 20110616; EP 1841016 A1 20071003; EP 1841016 B1 20110504; ES 2366232 T3 20111018; JP 2007273469 A 20071018

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**US 68569707 A 20070313**; AT 07005532 T 20070317; CN 200710091496 A 20070330; DE 202006005177 U 20060331; DE 502007007096 T 20070317; EP 07005532 A 20070317; ES 07005532 T 20070317; JP 2007087552 A 20070329