

Title (en)
CONNECTOR WITH VIBRATION PROTECTION

Title (de)
STECKVERBINDER MIT VIBRATIONSSICHERUNG

Title (fr)
CONNECTEUR À FICHES À SÉCURITÉ ANTIVIBRATION

Publication
EP 3018764 B1 20160928 (DE)

Application
EP 15170316 A 20150602

Priority
DE 102014116322 A 20141110

Abstract (en)
[origin: US2016134050A1] A plug connector for providing an electrical connection with a counter piece, the plug connector including a housing in which contacts that are supported in a front portion of the housing with respect to a plug in direction are connectable with a cable which is run out of a rear portion of the housing with respect to the plug in direction; a securing sleeve which is supported on the housing rotationally movable in a circumferential direction and which provides a securing screw connection for a plug connection between the connector and the counter piece, wherein an axial section of the housing and an axial section of the securing sleeve enter a form locking engagement at least at an end of a movement of the securing screw connection wherein the form locking engagement provides vibration protection for the plug connection; and an elastic seal which secures the plug connection against contaminants.

IPC 8 full level
H01R 13/533 (2006.01); **H01R 13/622** (2006.01); **H01R 13/52** (2006.01); **H01R 13/639** (2006.01)

CPC (source: EP US)
H01R 13/533 (2013.01 - EP US); **H01R 13/622** (2013.01 - EP US); **H01R 13/5202** (2013.01 - US); **H01R 13/5219** (2013.01 - EP US); **H01R 13/639** (2013.01 - EP US)

Cited by
CN111033915A

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)
DE 102014116322 B3 20150813; CN 106207605 A 20161207; CN 106207605 B 20181116; EP 3018764 A1 20160511; EP 3018764 B1 20160928; US 2016134050 A1 20160512; US 9419374 B2 20160816

DOCDB simple family (application)
DE 102014116322 A 20141110; CN 201510394063 A 20150707; EP 15170316 A 20150602; US 201514805002 A 20150721