

Title (en)  
WATERPROOF BLADE TYPE CONNECTOR

Title (de)  
WASSERDICHTER FLACHSTECKER

Title (fr)  
CONNECTEUR DE TYPE LAME ÉTANCHE À L'EAU

Publication  
**EP 3579351 A1 20191211 (EN)**

Application  
**EP 18191603 A 20180830**

Priority  
TW 107119703 A 20180607

Abstract (en)  
A waterproof blade type connector composed of a first connecting member with first terminals and a second connecting member with second terminals is revealed, whereas the first and second terminals are electrically connected to each other. The second connecting member includes a base disposed on one end and a frame arranged at the base. A mounting space is enclosed by the frame while two locking grooves are arranged at two opposite sides of the frame symmetrically. A pin is extended from the second terminal toward the mounting space and a cover plate is mounted in the mounting space. A locking block corresponding to the locking groove is disposed on each of two ends of the cover plate. A first packing groove is formed on the periphery of the cover plate and filled with a hot melt adhesive layer while space around the pin is also sealed by the hot melt adhesive layer. Thus both easy assembly and effective waterproofing are achieved.

IPC 8 full level  
**H01R 13/436** (2006.01); **H01R 13/52** (2006.01)

CPC (source: EP)  
**H01R 13/521** (2013.01); **H01R 13/5216** (2013.01); **H01R 13/5213** (2013.01)

Citation (search report)  
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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 3579351 A1 20191211**; **EP 3579351 B1 20211006**; JP 2019212597 A 20191212; JP 6647355 B2 20200214; TW 202002422 A 20200101; TW I658655 B 20190501

DOCDB simple family (application)  
**EP 18191603 A 20180830**; JP 2018160528 A 20180829; TW 107119703 A 20180607