

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)
• [Y] US 6491536 B1 20021210 - TORII CHIEKO [JP]
• [Y] US 2010317239 A1 20101216 - ACHAMMER DANIEL G [US], et al
• [Y] US 2015200485 A1 20150716 - YU WANG-I [TW], et al
• [Y] US 2013171887 A1 20130704 - YANG CHUNG-DA [TW], et al
• [A] US 9397431 B2 20160719 - HIRAYAMA YUUTO [JP], et al
• [A] US 5438160 A 19950801 - BATTY WILLIAM [US]
• [A] US 2013344729 A1 20131226 - HUNG YUNG-CHIH [TW], et al

Cited by
CN112366462A; TWI744799B

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