

Title (en)
IMPROVED CONNECTOR

Title (de)
VERBESSERTER VERBINDER

Title (fr)
CONNECTEUR AMÉLIORÉ

Publication
EP 3314702 B1 20230208 (EN)

Application
EP 16739572 A 20160623

Priority
• GB 201511269 A 20150626
• IB 2016053735 W 20160623

Abstract (en)
[origin: GB2539712A] A plug and socket connector comprises a first, male part and a second female part and a locking mechanism comprising two protrusions 19, 20, which engage with corresponding aperture(s) in the other part of the connector and which flex in substantially different planes. This makes for a more secure connection and also allows the connectors to be used with a variety of existing connectors. The protrusions may have a frangible portion (25, Fig 3) to allow one to be broken off if required for mating with a given counterpart. One protrusion may be longer than the other. The connectors may be used to connect lighting.

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP GB)
H01R 13/627 (2013.01 - GB); **H01R 13/6273** (2013.01 - EP GB); **H01R 27/00** (2013.01 - GB)

Citation (examination)
US 7214085 B2 20070508 - OHTAKA KAZUTO [JP], et al

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)
GB 201511269 D0 20150812; GB 2539712 A 20161228; AU 2016285007 A1 20180208; AU 2016285007 B2 20181011;
CN 205960323 U 20170215; EP 3314702 A1 20180502; EP 3314702 B1 20230208; GB 201610954 D0 20160810; GB 2540671 A 20170125;
GB 2540671 B 20170913; WO 2016207822 A1 20161229; ZA 201800411 B 20190327

DOCDB simple family (application)
GB 201511269 A 20150626; AU 2016285007 A 20160623; CN 201620647083 U 20160627; EP 16739572 A 20160623;
GB 201610954 A 20160623; IB 2016053735 W 20160623; ZA 201800411 A 20180119