

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)  
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**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

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