

Title (en)  
Electric plug connector

Title (de)  
Elektrische Steckverbindung

Title (fr)  
Fiche de raccordement électrique

Publication  
**EP 2117087 A3 20110921 (DE)**

Application  
**EP 09157531 A 20090407**

Priority  
DE 102008022610 A 20080508

Abstract (en)  
[origin: EP2117087A2] The connector has a plug (20) and a socket provided with electrical supply lines (12), respectively, where the plug and the socket have identical numbers of plug contacts (201-208) and socket contacts, respectively. The plug contacts and the socket contacts are conductively connected with each other, where the plug contacts transmit control signals and/or data streams. The electrical supply lines include number of wires (14-17) less than the number of the plug contacts and the socket contacts. A plug lock is arranged opposite to the plug contacts.

IPC 8 full level  
**H01R 24/58** (2011.01); **H01R 29/00** (2006.01); **H01R 24/62** (2011.01)

CPC (source: EP US)  
**H01R 13/6467** (2013.01 - EP); **H01R 24/64** (2013.01 - EP US); **H01R 29/00** (2013.01 - EP US); **H01R 31/06** (2013.01 - EP US)

Citation (search report)

- [X] US 2002076961 A1 20020620 - COSTELLO THOMAS M [US], et al
- [A] DE 10053843 C1 20020620 - SIEMENS AG [DE]
- [A] EP 0865121 A1 19980916 - BKS KABEL SERVICE AG [CH]
- [A] US 2003087542 A1 20030508 - YAMAKAWA SHUJI [JP], et al
- [A] US 4224485 A 19800923 - KRUMREICH CHARLES L
- [A] DE 10137703 A1 20030213 - LEIBER HEINZ [DE]
- [A] US 5181858 A 19930126 - MATZ BRET A [US], et al

Designated contracting state (EPC)  
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 SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 202008017268 U1 20090430**; DE 102008022610 A1 20091112; EP 2117087 A2 20091111; EP 2117087 A3 20110921; EP 2117087 B1 20151216; US 2009280692 A1 20091112; US 7931504 B2 20110426

DOCDB simple family (application)  
**DE 202008017268 U 20080508**; DE 102008022610 A 20080508; EP 09157531 A 20090407; US 38758109 A 20090505