

Title (en)  
ELECTRICAL CONNECTOR ASSEMBLY HAVING INSERT MOLDED TERMINAL MODULES

Title (de)  
ELEKTRISCHE STECKVERBINDERANORDNUNG MIT SPRITZGUSSANSCHLUSSMODULEN

Title (fr)  
ENSEMBLE CONNECTEUR ELECTRIQUE AVEC MODULES DE BORNES A GARNITURE MOULEE

Publication  
**EP 1413011 B1 20050302 (EN)**

Application  
**EP 02756959 A 20020801**

Priority  
• US 0224762 W 20020801  
• US 30938001 P 20010801

Abstract (en)  
[origin: WO03012928A1] An electrical connector includes a pair of terminal modules each having a plurality of terminals that are supported on insulative housings. A metal shell is disposed about portions of the modules to define a receptacle that receives a portion of a mating connector therein. The two modules engage each other by way of interengaging means and the terminals in the modules are staggered so that sets of differential signal terminals and associated ground terminals are held in place in a particular orientation. An outer connector housing is molded over portions of the two terminal modules and a portion of the metal shell to hold the modules and shell in assembly.

IPC 1-7  
**H01R 12/16**

IPC 8 full level  
**H01R 13/648** (2006.01); **H01R 12/50** (2011.01); **H01R 12/72** (2011.01); **H01R 13/516** (2006.01); **H01R 24/62** (2011.01); **H01R 43/24** (2006.01)

CPC (source: EP)  
**H01R 12/727** (2013.01); **H01R 13/658** (2013.01); **H01R 24/62** (2013.01); **H01R 43/24** (2013.01)

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**WO 03012928 A1 20030213**; CN 1269261 C 20060809; CN 1539181 A 20041020; DE 60203121 D1 20050407; DE 60203121 T2 20050721; EP 1413011 A1 20040428; EP 1413011 B1 20050302; JP 2004537836 A 20041216; JP 4041064 B2 20080130

DOCDB simple family (application)  
**US 0224762 W 20020801**; CN 02815188 A 20020801; DE 60203121 T 20020801; EP 02756959 A 20020801; JP 2003517991 A 20020801