

Title (en)
Connector module

Title (de)
Verbindermodul

Title (fr)
Module de connexion

Publication
EP 0977322 A3 20020904 (EN)

Application
EP 99114972 A 19990730

Priority
• US 9461698 P 19980730
• US 33074899 A 19990611

Abstract (en)
[origin: EP0977322A2] A connector module is provided that includes a first connector housing, a second connector housing and a connector positive assurance member. Insertion of the first housing into the second housing will cause a latching mechanism located within the assembled first and second housings to latch the housings together so that they can not be readily disengaged. When the first and second housings are fully engaged in this manner, the connector positive assurance member may be moved from a first position to a second position to assure complete engagement has been effected and to lock the housings together. If the first and second housings are not fully engaged, the connector positive assurance member can not be moved from such first position to such second position. <IMAGE>

IPC 1-7
H01R 13/627; **H01R 13/629**

IPC 8 full level
H01R 13/639 (2006.01); **H01R 13/514** (2006.01); **H01R 13/627** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP)
H01R 13/6272 (2013.01); **H01R 13/641** (2013.01)

Citation (search report)
• [XA] EP 0709928 A2 19960501 - UNITED TECHNOLOGIES AUTOMOTIVE [US]
• [XA] EP 0848456 A2 19980617 - GEN MOTORS CORP [US], et al
• [A] US 4370013 A 19830125 - NIITSU MITSUGI [JP], et al
• [A] US 4634204 A 19870106 - DETTER GARY C [US], et al
• [A] US 4946404 A 19900807 - TAKENOUCHI KENJI [JP], et al
• [A] DE 19645717 A1 19980507 - FRAMATOME CONNECTORS INT [DE]
• [A] EP 0732775 A2 19960918 - MOLEX INC [US]
• [A] EP 0788193 A2 19970806 - YAZAKI CORP [JP]

Cited by
EP3614504A1; US9478906B2; DE102015213751A1; WO2015142686A1; WO2022174319A1; US11005216B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0977322 A2 20000202; **EP 0977322 A3 20020904**; **EP 0977322 B1 20041208**; CA 2277682 A1 20000130; CA 2277682 C 20071204; CN 1123097 C 20031001; CN 1244056 A 20000209; DE 69922451 D1 20050113; DE 69922451 T2 20050512; ES 2232992 T3 20050601; JP 2000058199 A 20000225

DOCDB simple family (application)
EP 99114972 A 19990730; CA 2277682 A 19990714; CN 99111960 A 19990730; DE 69922451 T 19990730; ES 99114972 T 19990730; JP 21497199 A 19990729