

Title (en)
ELECTROMECHANICAL CONNECTING DEVICE

Title (de)
ELEKTROMECHANISCHE VERBINDUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE CONNEXION ELECTROMECHANIQUE

Publication
EP 1194983 B1 20030917 (DE)

Application
EP 00940420 A 20000630

Priority
• DE 19930642 A 19990702
• EP 0006131 W 20000630

Abstract (en)
[origin: US6561815B1] An electromechanical connector having a pair of detachably mateable contact mechanisms the housing of at least one of which includes an elastic wall to which is coupled at least one electrical contact which is either itself a magnetic member or which is coupled to a magnetic member. When the mechanisms are brought into mating proximity of one another, the magnetic member generates a force due to magnetic interaction with the other mechanism. The force causes the elastic wall to elastically yield, causing the contact to undergo an excursion into conducting relation with a corresponding contact of the other mechanism.

IPC 1-7
H01R 13/62

IPC 8 full level
H01R 13/22 (2006.01); **H01R 13/52** (2006.01); **H01R 13/62** (2006.01); **H01R 13/639** (2006.01); **H01R 13/703** (2006.01)

CPC (source: EP US)
H01R 13/6205 (2013.01 - EP US); **H01R 13/7037** (2013.01 - EP US)

Cited by
DE102008038649A1; US9660376B2; US9923290B2; US11424573B2; US8398409B2; US9634428B2; DE102013209529A1; US9711893B2; US10090618B2; US10490933B2; US11233356B2; EP2290754B1

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)
US 6561815 B1 20030513; AT E250287 T1 20031015; AU 5536100 A 20010122; BR 0012149 A 20020507; BR PI0012149 B1 20150623; CN 1183629 C 20050105; CN 1371537 A 20020925; DE 19930642 A1 20010104; DE 50003741 D1 20031023; EP 1194983 A1 20020410; EP 1194983 B1 20030917; ES 2206255 T3 20040516; JP 2003504815 A 20030204; RU 2235394 C2 20040827; WO 0103249 A1 20010111

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US 1894702 A 20020318; AT 00940420 T 20000630; AU 5536100 A 20000630; BR 0012149 A 20000630; CN 00812239 A 20000630; DE 19930642 A 19990702; DE 50003741 T 20000630; EP 0006131 W 20000630; EP 00940420 A 20000630; ES 00940420 T 20000630; JP 2001508551 A 20000630; RU 2002102564 A 20000630