

Title (en)
Electric plug connection

Title (de)
Elektrische Steckverbindung

Title (fr)
Connexion électrique à fiche

Publication
EP 0731534 B1 19991215 (DE)

Application
EP 96102125 A 19960214

Priority
DE 19508605 A 19950310

Abstract (en)
[origin: US5658162A] For an electric plug and socket connection with one or two locking shackles, which can be pivoted about bearing studs of the one half of the plug and socket connection, locking elements, disposed on the side parts of the plug and socket connection, overlapping, in the locked position of the plug and socket connection, locking studs disposed on the other half of the plug and socket connection, it is proposed that pockets be provided in the side parts and spring elements be inserted in these pockets, which spring elements act on the locking elements, or that tiltable locking elements be provided at the spring elements.

IPC 1-7
H01R 13/629

IPC 8 full level
H01R 13/639 (2006.01); **H01R 13/629** (2006.01)

CPC (source: EP KR US)
H01R 13/62 (2013.01 - KR); **H01R 13/62966** (2013.01 - EP US)

Cited by
DE102014101693A1; DE102012102275A1; DE102017125860A1; DE102017104123B3; DE102017130005B3; WO2019086070A1; DE102008028367B3; DE102004011509A1; WO2015120828A1; DE102017102226A1; WO2018141328A1; WO2019034203A1; US11493073B2; DE202012012474U1; DE102018101789A1; EP1691454A2; US11336055B2; WO2018157885A1; US10784624B2; DE102016114808A1; DE102016114808B4; WO2016150429A1; US10069245B2; DE102019108628B4; US7942688B2; DE102017118918A1; WO2019034202A1; WO2019114866A1; US11384785B2; DE202009004249U1; US11777254B2; EP2133959A2; US7785131B2; DE102017120095A1; WO2019042492A1; US10862256B2; US11404824B2

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)
US 5658162 A 19970819; AT E187849 T1 20000115; BR 9600966 A 19971230; CN 1081837 C 20020327; CN 1137694 A 19961211; DE 19508605 C1 19960711; DE 59603893 D1 20000120; DK 0731534 T3 20000522; EP 0731534 A2 19960911; EP 0731534 A3 19970723; EP 0731534 B1 19991215; ES 2141981 T3 20000401; JP 2891924 B2 19990517; JP H08255653 A 19961001; KR 100211896 B1 19990802; KR 960036209 A 19961028; PT 731534 E 20000428; RU 2106729 C1 19980310

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US 50400995 A 19950719; AT 96102125 T 19960214; BR 9600966 A 19960308; CN 96103943 A 19960308; DE 19508605 A 19950310; DE 59603893 T 19960214; DK 96102125 T 19960214; EP 96102125 A 19960214; ES 96102125 T 19960214; JP 5064196 A 19960307; KR 19960005995 A 19960307; PT 96102125 T 19960214; RU 96104273 A 19960306