

Title (en)
Electric plug and socket.

Title (de)
Elektrische Steckvorrichtung.

Title (fr)
Fiche et prise électrique.

Publication
EP 0477779 B1 19950517 (DE)

Application
EP 91115945 A 19910919

Priority
DE 4030075 A 19900922

Abstract (en)
[origin: EP0477779A1] In an electrical plug connector having a plug and having a socket housing, in which the plug can be detachably locked to the socket housing by means of an essentially U-shaped spring clip which is guided displaceably in a retaining groove of the socket housing at right angles to the plug-in direction, the spring clip engaging in the locking position over latching tabs, which are constructed on the plug, with limbs, having bends, arranged on a web, and the bends being pivoted out of the movement path of the latching tabs in the release position, by spreading of the limbs, the opening and closing of the plug connector can be achieved with short displacement movements in that the spring clip (12) has a web (12') whose length is shorter than the width of the socket housing (1), in that first limb sections (13'), extending obliquely outwards, connect to the web ends, connected to which first limb sections (13') there are second limb sections (13''), which point essentially at right angles to the web axis and have curved bends (12'''), and in that the first (13') and second (13'') limb sections can be pivoted with the bends (12''') outwards to release the latching tabs of the plug, by pushing the first limb sections (13') onto projections constructed in the retaining groove (10). <IMAGE>

IPC 1-7
H01R 13/639

IPC 8 full level
H01R 13/639 (2006.01)

CPC (source: EP)
H01R 13/639 (2013.01)

Cited by
EP0593981A3; DE19828636C2; CN114421236A; US6343948B1

Designated contracting state (EPC)
AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0477779 A1 19920401; EP 0477779 B1 19950517; AT E122824 T1 19950615; DE 4030075 A1 19920326; DE 59105507 D1 19950622; ES 2073635 T3 19950816

DOCDB simple family (application)
EP 91115945 A 19910919; AT 91115945 T 19910919; DE 4030075 A 19900922; DE 59105507 T 19910919; ES 91115945 T 19910919