

Title (en)  
ANGLED PLUG-IN CONNECTION COMPRISING A RETAINING ELEMENT THAT DEFINES THE WORKING POSITION OF THE TWO ANGLED LIMBS

Title (de)  
WINKELFÖRMIGER STECKVERBINDER MIT EINER DIE GEBRAUCHSSTELLUNG DER BEIDEN WINKELSCHENKEL FESTLEGENDEN HALTERUNG

Title (fr)  
CONNECTEUR ENFICHABLE ANGULAIRE DOTE D'UNE FIXATION MAINTENANT LA POSITION D'UTILISATION DES DEUX MONTANTS ANGULAIRES

Publication  
**EP 1779474 A1 20070502 (DE)**

Application  
**EP 05759423 A 20050628**

Priority  
• EP 2005006936 W 20050628  
• DE 202004012952 U 20040818

Abstract (en)  
[origin: US2007249205A1] An electric angled plug-in connector ( 1 ) is provided having an insulating body that is arranged in a first angled limb ( 2 ) and that contains electric contacts. One or more electric wires extend through a second angled limb ( 3 ). The two opposing faces ( 2 a , 3 a ) of the angled limbs ( 2 , 3 ) that lie in the angled area are diagonal, essentially forming a miter and are connected to each other in an articulated or detachable manner. At least one of the angled limbs is provided with a retaining element ( 11 ) having a cavity in the form of a recess, opening ( 10 ), or undercut. The continuation of the cavity of the retaining element ( 11 ) on the other angled limb located in the closed position is provided with a seat or guide ( 12 ) that extends around an exterior of the angled limb and a coupling element ( 13 ) is mounted in the receiving element or guide ( 12 ) and in the cavity in order to fix the two angled limbs ( 2 , 3 ) to one another, thus blocking a relative motion or pivoting of the angled limbs ( 2 , 3 ) relative to one another.

IPC 8 full level  
**H01R 13/508** (2006.01); **H01R 13/50** (2006.01)

CPC (source: EP US)  
**H01R 13/508** (2013.01 - EP US); **H01R 13/501** (2013.01 - EP US); **H01R 24/76** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006018061A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2007249205 A1 20071025; US 7422478 B2 20080909**; AT E398350 T1 20080715; BR PI0514414 A 20080610; CN 100553046 C 20091021; CN 101006618 A 20070725; DE 202004012952 U1 20041014; DE 502005004420 D1 20080724; EA 009764 B1 20080428; EA 200700448 A1 20070629; EP 1779474 A1 20070502; EP 1779474 B1 20080611; ES 2308515 T3 20081201; WO 2006018061 A1 20060223

DOCDB simple family (application)  
**US 57370305 A 20050628**; AT 05759423 T 20050628; BR PI0514414 A 20050628; CN 200580028134 A 20050628; DE 202004012952 U 20040818; DE 502005004420 T 20050628; EA 200700448 A 20050628; EP 05759423 A 20050628; EP 2005006936 W 20050628; ES 05759423 T 20050628