

Title (en)  
MULTI-POLE PLUG CONNECTION UNIT FOR THREE-PHASE ALTERNATING CURRENT SYSTEMS

Title (de)  
MEHRPOLIGE STECKVERBINDUNGSEINHEIT FÜR DREIPHASEN-WECHSELSTROMSYSTEME

Title (fr)  
UNITÉ DE CONNEXION À FICHES MULTIPOLAIRE POUR SYSTÈMES ÉLECTRIQUES TRIPHASÉS

Publication  
**EP 2777096 B1 20180404 (DE)**

Application  
**EP 12787422 A 20121108**

Priority  
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• EP 2012072200 W 20121108

Abstract (en)  
[origin: WO2013068509A1] A multi-pole plug connection unit for three-phase alternating current systems having two plug connection parts which complement one another for the purpose of kink-free plug connection and having a locking sleeve which axially secures the plug connection parts in relation to one another in the plug-connected state is known. According to the invention, each plug connection part is constructed as a monolithic insulating body in which a plurality of electrical plug contacts are axially latched, and an outside diameter of the plug connection parts and the locking sleeve is less than 23 mm, and the plug connection unit is designed to transmit voltage and current intensity ranges of up to 630 volts/16 amperes. Said multi-pole plug connection unit is used for energy and signal transmission in machine tools.

IPC 8 full level  
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Citation (opposition)  
Opponent : Euroconnection SRL  
• EP 1936752 A2 20080625 - INTERCONTEC PRODUKT GMBH [DE]  
• EP 0450281 A1 19911009 - WABCO WESTINGHOUSE FAHRZEUG [DE]  
• US 2009311910 A1 20091217 - KLEINKE ANDREAS [DE]  
• ANONYMOUS: "Micro-Bayonet Connector Series", AMPHENOL, 18 August 2812 (2812-08-18), XP055602950, Retrieved from the Internet <URL:http://www.amphenol-industrial.com/micro-b> [retrieved on 28112018]  
• ANONYMOUS: "Micro Bayonet Connector Micro-B™", AMPHENOL, pages 2 - 14

Designated contracting state (EPC)  
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PL 2777096 T3 20181031; PL 2777096 T5 20211011; TR 201808928 T4 20180723; US 2014295690 A1 20141002; US 9437970 B2 20160906;  
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