

Title (en)  
TOOL CONNECTOR

Title (de)  
WERKZEUGVERBINDER

Title (fr)  
CONNECTEUR POUR OUTILS

Publication  
**EP 3514893 A2 20190724 (EN)**

Application  
**EP 19151490 A 20190111**

Priority  
CN 201810048299 A 20180118

Abstract (en)  
A connector plug assembly for use in power tool, comprising a tool connector and a plug connector, wherein the plug connector is arranged to detachably couple with the tool connector for supplying energy. The tool connector comprises at least one male terminal or at least one female receptacle on one end, wherein the tool connector is arranged to connect with a power tool on the other end. The plug connector comprises at least one male terminal or at least one female receptacle on one end, and a plug on the other end, wherein the plug is arranged to be inserted into a wall socket. The waterproof design and the limiting structure of the connector plug assembly protect tools from being damaged due to overloading, and users from significant danger such as electric shock.

IPC 8 full level  
**H01R 24/00** (2011.01); **H01R 24/20** (2011.01); **H01R 24/28** (2011.01); **H01R 24/48** (2011.01)

CPC (source: CN EP)  
**H01R 13/502** (2013.01 - CN); **H01R 13/5213** (2013.01 - CN); **H01R 13/5219** (2013.01 - CN EP); **H01R 13/622** (2013.01 - CN); **H01R 13/623** (2013.01 - EP); **H01R 13/639** (2013.01 - EP); **H01R 13/64** (2013.01 - CN EP); **H01R 24/28** (2013.01 - CN); **H01R 31/06** (2013.01 - CN EP); **H01R 24/20** (2013.01 - EP); **H01R 24/28** (2013.01 - EP)

Cited by  
CN113644481A

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3514893 A2 20190724**; **EP 3514893 A3 20190814**; CN 110061394 A 20190726; CN 110061394 B 20220308

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