

Title (en)

ELECTRICAL PLUG-IN CONNECTION BETWEEN A CURRENT SOURCE AND AN ELECTRIC WORK MACHINE

Title (de)

ELEKTRISCHE STECKVERBINDUNG ZWISCHEN EINER STROMQUELLE UND EINEM ELEKTRISCHEN ARBEITSGERÄT

Title (fr)

CONNECTEUR ENFICHABLE ÉLECTRIQUE ENTRE UNE SOURCE DE COURANT ET UN APPAREIL DE TRAVAIL ÉLECTRIQUE

Publication

**EP 3355416 B1 20230802 (DE)**

Application

**EP 18153488 A 20180125**

Priority

DE 102017000996 A 20170130

Abstract (en)

[origin: US2018219337A1] An electrical plug connection is for electrically connecting a power source in a releasable manner to an electrical work apparatus. The plug connection includes at least one first electrical line for the purpose of transmitting electrical power and at least one second electrical line for the purpose of transmitting signals. The plug connection includes a plug with a plug body and one or more first plug contacts and a plug socket with first contact sockets, wherein the plug contacts of the first electrical line are arranged within the plug body. The plug contact of the second electrical line is in the form of an external contact in the region of an outer contour of the plug body, wherein a mating contact of the plug socket is associated with the external contact of the plug body. The external contact and the mating contact form a latching connection.

IPC 8 full level

**H01R 13/20** (2006.01); **H01R 13/627** (2006.01)

CPC (source: CN EP US)

**H01R 13/04** (2013.01 - US); **H01R 13/112** (2013.01 - US); **H01R 13/20** (2013.01 - CN EP US); **H01R 13/504** (2013.01 - US); **H01R 13/627** (2013.01 - EP US); **H01R 24/38** (2013.01 - US); **H01R 2103/00** (2013.01 - US)

Citation (examination)

US 7001201 B1 20060221 - PENG JUEN TIEN [TW]

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

DOCDB simple family (publication)

**EP 3355416 A1 20180801**; **EP 3355416 B1 20230802**; CN 108376853 A 20180807; CN 108376853 B 20210907; DE 102017000996 A1 20180802; US 10424883 B2 20190924; US 2018219337 A1 20180802

DOCDB simple family (application)

**EP 18153488 A 20180125**; CN 201810088827 A 20180130; DE 102017000996 A 20170130; US 201815884220 A 20180130