

Title (en)
SPRING CONTACT ON A RECHARGEABLE BATTERY

Title (de)
FEDERKONTAKT AN EINEM AKKUMULATOR

Title (fr)
CONTACT SOUPLE SUR UN ACCUMULATEUR

Publication
EP 3613105 A1 20200226 (DE)

Application
EP 18727145 A 20180416

Priority
• EP 17167447 A 20170421
• EP 2018059656 W 20180416

Abstract (en)
[origin: WO2018192870A1] A machine tool containing a receiving apparatus having at least one receiving element and an energy supply unit that can be connected to the machine tool, for example a rechargeable battery, having a connection device, wherein the connection device contains at least one contact element, wherein the receiving apparatus is designed to receive and to hold the connection device so that the at least one receiving element and the at least one contact element can be connected to one another to produce an electrical connection. A damping element is provided on the at least one contact element, as a result of which the at least one contact element can move in a first direction and second direction and also relative to the respective receiving element so that it is possible to counteract a relative movement between the contact element and the respective receiving element when the contact element and the receiving element are connected to one another.

IPC 8 full level
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CPC (source: EP US)
B25F 5/02 (2013.01 - US); **H01R 13/112** (2013.01 - EP US); **H01R 13/15** (2013.01 - EP US); **H01R 13/6315** (2013.01 - EP); **H01R 24/68** (2013.01 - EP); **H01R 24/68** (2013.01 - US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2018192870A1

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EP 3392974 A1 20181024; CN 110521064 A 20191129; EP 3613105 A1 20200226; EP 3613105 B1 20230614; US 11289842 B2 20220329; US 11699870 B2 20230711; US 2020153142 A1 20200514; US 2022181813 A1 20220609; WO 2018192870 A1 20181025

DOCDB simple family (application)
EP 17167447 A 20170421; CN 201880025152 A 20180416; EP 18727145 A 20180416; EP 2018059656 W 20180416; US 201816606512 A 20180416; US 202217680083 A 20220224