

Title (en)
CONTACT UNIT AND CHARGING SYSTEM

Title (de)
KONTAKTEINHEIT UND LADESYSTEM

Title (fr)
UNITÉ DE CONTACT ET SYSTÈME DE CHARGE

Publication
EP 3883809 A1 20210929 (DE)

Application
EP 19801803 A 20191105

Priority
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• EP 2019080278 W 20191105

Abstract (en)
[origin: WO2020104188A1] The invention relates to a contact unit (16) for a charging system for electrically driven vehicles, in particular passenger vehicles, trucks, buses or the like, and to a charging system. The charging system comprises a charging contact device and a contact device comprising a contact unit support, said contact unit support having the contact unit. A charging contact of the charging contact device can be contacted using the contact unit in order to form a contact pair. The contact unit has a contact element (19) made of metal, and the contact unit has a connection line (20) for connecting to the vehicle or the charging station. The contact element has a contact bump (21), and the contact bump forms a contact surface (22) for contacting the charging contact. The contact element is at least partly made of a contact piece (23) made of carbon in the region of the contact surface.

IPC 8 full level
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Citation (search report)
• [Y] CA 3057740 A1 20181011 - SCHUNK BAHN & INDUSTRIETECHNIK GMBH [DE]
• [Y] CN 1071127 A 19930421 - INST OF METAL CHEMISTRY SCIENT [CN]
• [Y] US 2016046206 A1 20160218 - MURASE KOSAKU [JP], et al
• [XA] EP 3324496 A1 20180523 - SCHUNK BAHN & INDUSTRIETECHNIK GMBH [DE]
• [A] JP 2013233037 A 20131114 - HONDA MOTOR CO LTD
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• [A] US 2010308768 A1 20101209 - DOWER GORDON EWBANK [US]
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• See also references of WO 2020104188A1

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

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DOCDB simple family (publication)
WO 2020104188 A1 20200528; CA 3118779 A1 20200528; CN 113165530 A 20210723; DE 102018129430 A1 20200528;
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