

Title (en)
CONTACTING DEVICE FOR TRANSMITTING ELECTRIC CURRENTS, AND MACHINES COMPRISING SUCH A CONTACTING DEVICE

Title (de)
KONTAKTVORRICHTUNG ZUR ÜBERTRAGUNG ELEKTRISCHER STRÖME SOWIE MASCHINEN MIT EINER DERARTIGEN KONTAKTVORRICHTUNG

Title (fr)
DISPOSITIF DE MISE EN CONTACT PERMETTANT LA TRANSMISSION DE COURANTS ÉLECTRIQUES, ET MACHINES DOTÉES D'UN TEL DISPOSITIF DE MISE EN CONTACT

Publication
EP 4268357 A1 20231101 (DE)

Application
EP 21721960 A 20210504

Priority
• EP 2020087799 W 20201223
• EP 2021061743 W 20210504

Abstract (en)
[origin: WO2022135748A1] The invention relates to a contacting device for transmitting electric currents of a rotor part of a machine, said rotor part being formed by a shaft (11) and/or slip ring, to a machine, and to the use of a discharge device, wherein the discharge device comprises a contact element (10) for forming an electrically conductive sliding contact (16) between a sliding contact surface (13) of the contact element, said sliding contact surface being provided in order to form the sliding contact, and a rotor contact surface (14) of the shaft or the slip ring, and a recess is formed in the sliding contact surface. The contact element is at least partly coated with an oily fluid, in particular at least in the region of the sliding contact surface.

IPC 8 full level
H02K 11/40 (2016.01); **H01R 39/20** (2006.01); **H01R 39/38** (2006.01); **H01R 39/56** (2006.01); **H02K 9/19** (2006.01); **H02K 13/00** (2006.01)

CPC (source: CN EP KR US)
F16C 41/002 (2013.01 - KR); **H01R 4/66** (2013.01 - KR); **H01R 39/26** (2013.01 - KR US); **H01R 39/38** (2013.01 - US); **H01R 39/381** (2013.01 - EP); **H01R 39/56** (2013.01 - EP US); **H02K 1/32** (2013.01 - CN); **H02K 5/1675** (2013.01 - CN); **H02K 7/003** (2013.01 - KR); **H02K 9/19** (2013.01 - CN EP KR); **H02K 11/40** (2016.01 - EP KR US); **H02K 13/003** (2013.01 - US); **H02K 13/006** (2013.01 - EP US); **H01R 39/20** (2013.01 - EP); **H02K 2213/03** (2013.01 - CN)

Citation (search report)
See references of WO 2022135748A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022135748 A1 20220630; CN 114665637 A 20220624; CN 116670979 A 20230829; CN 217469595 U 20220920; EP 4268356 A1 20231101; EP 4268357 A1 20231101; JP 2024500233 A 20240105; JP 2024504251 A 20240131; KR 20230119149 A 20230816; KR 20230124603 A 20230825; US 2024048031 A1 20240208; US 2024063695 A1 20240222; WO 2022135715 A1 20220630

DOCDB simple family (application)
EP 2021061743 W 20210504; CN 202111589029 A 20211223; CN 202123262744 U 20211223; CN 202180087153 A 20210504; EP 2020087799 W 20201223; EP 20838096 A 20201223; EP 21721960 A 20210504; JP 2023536418 A 20201223; JP 2023538717 A 20210504; KR 20237020954 A 20201223; KR 20237021891 A 20210504; US 202018268904 A 20201223; US 202118269149 A 20210504