

Title (en)

ELECTRIC TRACTION COUPLING AND TRACTION COUPLING HAVING SUCH AN ELECTRIC TRACTION COUPLING

Title (de)

ELEKTROZUGKUPPLUNG UND ZUGKUPPLUNG MIT EINER SOLCHEN ELEKTROZUGKUPPLUNG

Title (fr)

COUPLAGE DE TRACTION ÉLECTRIQUE ET COUPLAGE DE TRACTION ÉQUIPÉ DUDIT COUPLAGE DE TRACTION ÉLECTRIQUE

Publication

EP 4013659 A1 20220622 (DE)

Application

EP 20744007 A 20200717

Priority

- DE 102019121975 A 20190815
- EP 2020070301 W 20200717

Abstract (en)

[origin: WO2021028150A1] The invention relates to an electric traction coupling having two electric coupling halves which can be coupled to one another and which together and/or individually have a multiplicity of electrically conductive contact elements which each extend in an axial direction; wherein each electric traction coupling half comprises an electrically insulating housing which encompasses the electrically conductive contact element or elements and has an electrically insulating cover for covering the end face of the electrically conductive contact element or elements. The electric traction coupling according to the invention is characterized in that the cover of each of the two electric traction coupling halves has one or more plugging openings which are aligned with the electrically conductive contact element or elements in the axial direction and can be moved in the axial direction between an uncoupling position, in which the electrically conductive contact element or elements is/are positioned behind the plugging openings within the housing in the axial direction, and a coupling position, in which the electrically conductive contact element or elements is/are positioned so as to project out of the housing through the cover while passing through the plugging openings in the axial direction.

IPC 8 full level

B61G 5/10 (2006.01)

CPC (source: CN EP)

B61G 5/10 (2013.01 - CN EP)

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)

WO 2021028150 A1 20210218; CN 114245780 A 20220325; CN 114245780 B 20240514; DE 102019121975 A1 20210218; EP 4013659 A1 20220622; EP 4013659 B1 20230607

DOCDB simple family (application)

EP 2020070301 W 20200717; CN 202080057341 A 20200717; DE 102019121975 A 20190815; EP 20744007 A 20200717