

Title (en)
AUTOMATIC TRACTION COUPLING

Title (de)
AUTOMATISCHE ZUGKUPPLUNG

Title (fr)
ATTELAGE AUTOMATIQUE DE TRAINS

Publication
EP 3689705 B1 20210526 (DE)

Application
EP 20151910 A 20200115

Priority
DE 102019102455 A 20190131

Abstract (en)
[origin: CN111497888A] An automatic traction coupling with a connector, which includes a connector housing and an interlocking device with a limited movement device. The interlocking device is designed as a rotary locking mechanism with a connecting lug and a center piece, wherein the center piece surrounds the main axis can be rotated between the connection ready position, the connection position and the disengagement position. The connecting lug is connected to the center piece by the first end and has a free second end; the center piece has an opening, and the opening is used to accommodate the second end of the connecting lug of the opposite connector; the limiting device includes a punch and a lock rod; and in the first position of the punch, the lock rod is locked in the stopping position, and in the second position, the lock lever is released from the stop position. The automatic traction connector is characterized in that the stop position of the lock lever is positioned so that the lock lever moves to the stop position before the center piece reaches the disengagement position of the center piece.

IPC 8 full level
B61G 3/16 (2006.01)

CPC (source: CN EP)
B61G 3/00 (2013.01 - CN); **B61G 3/16** (2013.01 - EP); **B61G 3/18** (2013.01 - CN)

Cited by
WO2022129159A3; WO2022129021A1; WO2023160923A1

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 3689705 A1 20200805; **EP 3689705 B1 20210526**; CN 111497888 A 20200807; CN 212047360 U 20201201;
DE 102019102455 A1 20200806; PL 3689705 T3 20211206

DOCDB simple family (application)
EP 20151910 A 20200115; CN 202010052419 A 20200117; CN 202020111944 U 20200117; DE 102019102455 A 20190131;
PL 20151910 T 20200115