

Title (en)
LIGHT RAIL VEHICLE BOGIE

Title (de)
STADTBAHNFAHRZEUGDREHGESTELL

Title (fr)
BOGIE DE VÉHICULE FERROVIAIRE LÉGER

Publication
EP 3816011 A4 20220216 (EN)

Application
EP 19837364 A 20190716

Priority
• CN 2019096064 W 20190716
• CN 201810782629 A 20180717

Abstract (en)
[origin: EP3816011A1] A light rail vehicle bogie comprises a frame (1), the frame (1) comprises side beams (11) and a cross beam (12), a middle part of the side beam (11) is recessed, a top of the cross beam (12) is provided with a bolster (2), the cross beam (12) is composed of two tube bodies (121), both ends of each tube body (121) are provided with connecting seats (8), and the both ends of the tube body (121) are fixedly connected to the side beams (11) through the connecting seats (8); cantilever seats (16) extending inward are provided on two axle boxes of the light rail vehicle bogie, and a magnetic rail brake (9) provided right below the tube bodies (121) is suspended on the two cantilever seats (16); a vertical guide rod (17) is arranged at the top of the magnetic rail brake (9), two limit seats (10) right above two ends of the magnetic rail brake (9) is mounted on one side of each connecting seat (8), and the limit seat (10) is provided with a guide hole (18) for inserting the vertical guide rod (17). The bogie realizes low-position traction of a light rail vehicle, and the space of the cross beam is optimized.

IPC 8 full level
B61F 5/52 (2006.01)

CPC (source: CN EP)
B61F 5/52 (2013.01 - CN EP)

Citation (search report)
• [A] CN 206589893 U 20171027 - CRRZ ZHUZHOU LOCOMOTIVE CO LTD
• [A] CN 202847719 U 20130403 - CSR ZHUZHOU ELEC LOCO RES INST
• [A] CN 204296748 U 20150429 - CHANGCHUN RAILWAY VEHICLES CO
• [A] CN 106627644 A 20170510 - CHENGDU XINZHU ROAD & BRIDGE
• [A] CN 104554331 A 20150429 - CSR QINGDAO SIFANG CO LTD
• [A] CN 204472814 U 20150715 - GUANGZHOU ELECTRICAL LOCOMOTIVE CO LTD
• See references of WO 2020015616A1

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)
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