

Title (en)
RAIL TRANSIT TURNOUT SYSTEM

Title (de)
SCHIENENÜBERGANGSAUSDREHSYSTEM

Title (fr)
SYSTÈME DE BRANCHEMENT DE TRANSPORT FERROVIAIRE

Publication
EP 4206402 A1 20230705 (EN)

Application
EP 21860177 A 20210813

Priority
• CN 202010893368 A 20200831
• CN 2021112552 W 20210813

Abstract (en)
Disclosed in the present invention is a rail transit turnout system. A first end of a turnout beam (5) is provided on a first transition pier column (3) and is rotatably connected to the first transition pier column (3) by means of a center pin (4), and a second end of the turnout beam (5) is provided on a second transition pier column (6) and can travel on the second transition pier column (6); there are at least two branch rail beams (8, 9, 10) and the branch rail beams are fixedly supported by means of multiple branch pier columns (7) arranged at intervals; the first end of the turnout beam (5) abuts against the end of a basic rail beam (1) facing towards the turnout beam (5), and a second end of the turnout beam (5) operatively selects to abut against a first end of a certain branch rail beam (8, 9, 10); second ends of the branch rail beams (8, 9, 10) extend in a direction away from the turnout beam (5). The technical solution of the present invention has a simple and reliable operation, and can effectively shorten the switch time, thereby improving transport efficiency.

IPC 8 full level
E01B 25/10 (2006.01); **E01B 7/00** (2006.01); **E01B 25/12** (2006.01); **E01B 25/22** (2006.01); **E01B 25/26** (2006.01)

CPC (source: CN EP)
E01B 25/10 (2013.01 - CN); **E01B 25/12** (2013.01 - CN EP); **E01B 25/22** (2013.01 - CN); **E01B 25/26** (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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4206402 A1 20230705; AU 2021334603 A1 20221201; AU 2021334603 B2 20240530; CN 112127217 A 20201225; CN 112127217 B 20220301; JP 2023538168 A 20230907; WO 2022042338 A1 20220303

DOCDB simple family (application)
EP 21860177 A 20210813; AU 2021334603 A 20210813; CN 202010893368 A 20200831; CN 2021112552 W 20210813; JP 2022564535 A 20210813