

Title (en)

Twin-block sleeper for ballastless slab track

Title (de)

Zweiblockschwelle für eine schotterlose feste Fahrbahn

Title (fr)

Traverse mixte pour chaussée rigide sans ballast

Publication

EP 2899317 B1 20180919 (EN)

Application

EP 15382020 A 20150128

Priority

ES 201430106 U 20140128

Abstract (en)

[origin: EP2899317A1] Twin-block sleeper for ballastless slab track, related to a railway sleeper of the type to be used in particular for ballastless track or (concrete) slab track and comprising two concrete blocks joined by a reinforcing steel frame, said blocks being provided with holes intended to house an fastening to secure a rail, preferably four holes which allow the sleeper to be used for two different track gauges, thus being multipurpose, and in any case with the particularity that said sleeper blocks have an improved structural configuration which provides significant advantages, both in their manufacturing and in their effectiveness for absorbing displacements and loads of the fastenings which support the rails, with respect to the systems currently known for such purpose

IPC 8 full level

E01B 1/00 (2006.01); **E01B 3/36** (2006.01)

CPC (source: EP)

E01B 1/004 (2013.01); **E01B 3/28** (2013.01)

Citation (examination)

ES 2380963 A1 20120522 - TECSA EMPRESA CONSTRUCTORA SA [ES]

Cited by

CN112962359A; CN111648169A

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 2899317 A1 20150729; **EP 2899317 B1 20180919**; ES 1103831 U 20140320; ES 1103831 Y 20140611; ES 2701754 T3 20190225; PT 2899317 T 20181224

DOCDB simple family (application)

EP 15382020 A 20150128; ES 15382020 T 20150128; ES 201430106 U 20140128; PT 15382020 T 20150128