

Title (en)

METHOD FOR LAYING A RAIL OF A RAILWAY LINE

Title (de)

VERFAHREN ZUM VERLEGEN EINER SCHIENE EINER EISENBAHNSTRECKE

Title (fr)

PROCÉDÉ DE POSE D'UN RAIL DE VOIE FERREE

Publication

EP 3631089 B1 20220126 (FR)

Application

EP 18725842 A 20180518

Priority

- FR 1754528 A 20170522
- EP 2018063168 W 20180518

Abstract (en)

[origin: CA3060848A1] In order to lay a rail (12) of a railway line using a work train (4) comprising at least one heating device (32) having at least one heating zone (28), one or more gas burners (42), and one or more radiating bodies (44) arranged between the gas burner or burners (42) and the heating zone (28), the radiant body or bodies (44) being perforated by openings (46) opening into the heating zone (28), the work train (4) is moved in a laying direction (100), so that at each instant a portion of the rail to be fixed (12) crosses the heating zone (28), the heat is applied to the portion of the rail to be fixed (28) crossing the heating zone (28) using the heating device (32) by supplying the gas burner or burners (42) such that no flame emerges from the openings (46) in the heating zone (28) and such that at least 75%, and preferably at least 80%, and preferably at least 85% of the heat applied to the portion of the rail (12) is transmitted by radiation from the radiating body or bodies (44); then the portion of the rail (12) is fixed after applying the heat on a sleeper (10) of the railway line situated behind the heating zone (28) in the laying direction (100).

IPC 8 full level

E01B 31/18 (2006.01); **E01B 29/16** (2006.01); **E01B 29/44** (2006.01)

CPC (source: EP KR RU US)

E01B 29/16 (2013.01 - KR RU); **E01B 29/17** (2013.01 - US); **E01B 29/44** (2013.01 - KR RU US); **E01B 31/18** (2013.01 - EP KR RU US); **E01B 29/16** (2013.01 - EP); **E01B 29/44** (2013.01 - EP); **E01B 2201/02** (2013.01 - US)

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)

FR 3066508 A1 20181123; **FR 3066508 B1 20210212**; AU 2018272869 A1 20191212; CA 3060848 A1 20181129; CA 3060848 C 20220531; CN 110651085 A 20200103; CN 110651085 B 20220812; EP 3631089 A1 20200408; EP 3631089 B1 20220126; KR 102326516 B1 20211116; KR 20200009084 A 20200129; RU 2727659 C1 20200722; US 11384486 B2 20220712; US 2020157746 A1 20200521; WO 2018215356 A1 20181129; ZA 201908273 B 20210428

DOCDB simple family (application)

FR 1754528 A 20170522; AU 2018272869 A 20180518; CA 3060848 A 20180518; CN 201880033679 A 20180518; EP 18725842 A 20180518; EP 2018063168 W 20180518; KR 20197037815 A 20180518; RU 2019139832 A 20180518; US 201816616159 A 20180518; ZA 201908273 A 20191211