Title (en)

METHOD FOR FIXING A RAIL OF A RAIL TRACK WITH THERMAL CONDITIONING OF A RAIL PORTION, AND ASSOCIATED RAIL MACHINE

Title (de)

VERFAHREN ZUM BEFESTIGEN EINER SCHIENE EINES SCHIENENSTRANGS MIT THERMISCHER KONDITIONIERUNG EINES SCHIENENABSCHNITTS UND ZUGEHÖRIGE SCHIENENMASCHINE

Title (fr)

PROCÉDÉ D'IMMOBILISATION D'UN RAIL DE VOIE FERRÉE AVEC CONDITIONNEMENT THERMIQUE D'UNE PORTION DE RAIL, ET MACHINE FERROVIAIRE ASSOCIÉE

Publication

EP 3781744 B1 20240103 (FR)

Application

EP 19780250 A 20191001

Priority

- FR 1859128 A 20181002
- EP 2019076658 W 20191001

Abstract (en)

[origin: CA3114829A1] In order to fix a rail (12) of a rail track using a rail machine (4), the rail machine (4) is moved in a working direction (100) so that at all times a rail portion (12) which is not attached to a cross-member (8, 10) of the rail track (2) passes through a thermal conditioning zone (30) of a thermal conditioning device (32) of the rail machine (4), a temperature of a surface region of the rail portion passing through the thermal conditioning zone (30) is modified using the thermal conditioning device (32) by generating a non-homogeneous temperature distribution in the rail portion, and the rail portion (12) is fixed to a cross-member (10) of the rail track, after modification of the temperature of the surface region of the rail portion, without waiting for the temperature distribution in the rail portion to be homogenised.

IPC 8 full level

E01B 29/17 (2006.01); **B23K 37/02** (2006.01); **C21D 9/04** (2006.01); **E01B 29/00** (2006.01); **E01B 31/18** (2006.01)

CPC (source: EP US)

C21D 9/04 (2013.01 - EP US); **E01B 29/17** (2013.01 - EP US); **E01B 31/18** (2013.01 - EP US); C21D 2221/00 (2013.01 - EP US); C21D 2221/10 (2013.01 - EP US); E01B 29/00 (2013.01 - EP)

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