

Title (en)

RAILWAY MAINTENANCE MACHINE FOR TRACK LEVELLING AND ALIGNMENT WITH THE CAPACITY TO OPERATE WITHOUT INTERRUPTIONS IN ITS ADVANCE ON STRAIGHT TRACKS AND TO OPERATE ON TRACK TURNOUTS TAMPING THE DIVERGING TRACK

Title (de)

EISENBAHNWARTUNGSMASCHINE ZUR GLEISNIVELLIERUNG UND -AUSRICHTUNG MIT FÄHIGKEIT ZUM BETRIEB OHNE UNTERBRECHUNGEN BEI DER FAHRT AUF GERADEN SCHIENEN UND ZUM BETRIEB AUF GLEISWEICHEN MIT VERSTOPFUNG DES ABZWEIGENDEN GLEISES

Title (fr)

MACHINE D'ENTRETIEN DE VOIE FERRÉE POUR NIVELLEMENT ET ALIGNEMENT DES VOIES DOTÉE DE LA CAPACITÉ DE FONCTIONNER SANS INTERRUPTIONS DANS SON AVANCE SUR RAILS RECTILIGNES ET POUR FONCTIONNER SUR BRANCHEMENT ET TASSER LA PISTE DIVERGENTE

Publication

EP 3073012 A1 20160928 (EN)

Application

EP 16382116 A 20160315

Priority

ES 201530363 A 20150318

Abstract (en)

Railway maintenance machine for track levelling and alignment, with the capacity to operate without interruptions to its advance on straight tracks, to operate on track turnouts, and with the capacity to tamp the diverging track, characterised in that it comprises a lifting and slewing unit with a duplicated power system at the front end and at the rear end of said unit, where the lifting and slewing unit comprises a lifting trolley (21), with two pairs of hydraulic cylinders (27A and 27B) arranged so as to exert force to lift the track, and a slewing trolley (20) with two pairs of hydraulic cylinders (28A and 28B), arranged so as to exert force to modify the lateral position of the track, where said power system at the front end exerts force to carry out approximately 80% of the levelling and alignment needed by the track and where said power system at the rear end exerts force to carry out the rest of the levelling and alignment needed by the track to reach its definitive position.

IPC 8 full level

E01B 27/17 (2006.01)

CPC (source: EP ES US)

E01B 27/17 (2013.01 - EP ES US); **E01B 29/04** (2013.01 - ES US)

Citation (applicant)

- ES 480490 A1 19800116 - PLASSER BAHNBAUMASCH FRANZ [AT]
- EP 0455179 B1 19940202 - PLASSER BAHNBAUMASCH FRANZ [AT]
- ES 2397739 B1 20131126 - IBANEZ LATORRE JOSE ANTONIO [ES]
- ES 2027048 T3 19920516
- US 6401623 B2 20020611 - SARTORI SANDRI [FR]

Citation (search report)

- [A] EP 2784219 A1 20141001 - IBAÑEZ LATORRE JOSE ANTONIO [ES]
- [A] CN 102061646 B 20120418 - UNIV ZHEJIANG

Cited by

EP3556478A1; AT526337A4; AT526337B1

Designated contracting state (EPC)

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