

Title (en)

MOBILE DEVICE FOR HEATING A RAIL OF A PERMANENT WAY USING INFRARED-RADIATION ELECTRIC LAMPS

Title (de)

MOBILE VORRICHTUNG ZUR DAUERHAFTEN BEHEIZUNG EINER SCHIENE MITTELS INFRAROTSTRAHLUNGSLAMPEN

Title (fr)

DISPOSITIF MOBILE DE CHAUFFAGE D'UN RAIL DE VOIE FERRÉE PAR LAMPES ÉLECTRIQUES À RAYONNEMENT INFRAROUGE

Publication

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Application

EP 20701656 A 20200130

Priority

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- EP 2020052352 W 20200130

Abstract (en)

[origin: WO2020169319A1] A mobile device for heating a rail (12) of a permanent way (2) is made up of a heating module (34) comprising at least one heating zone (28) and at least one radiating heat source (46) directed towards the heating zone (28), and of a transport vehicle (16) for transporting the heating module (34). A heating unit (36) of the heating module (34) comprises infrared-radiation electric lamps (42) able to emit radiation that is concentrated in the near-infrared, and which are equipped with a primary reflector (48) oriented in such a way as to reflect the infrared radiation emitted by the radiation source (46) towards the heating zone (28). The heating unit (36) also comprises a secondary reflector (50) having a concave reflective surface surrounding the heating zone (28) and able to return towards the heating zone (28) rays reflected by the rail and that pass between the infrared-radiation electric lamps (42).

IPC 8 full level

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CPC (source: EP US)

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