

Title (en)

EFFECTIVE COOLING TANK FOR TREATING PEARLITIC AND BAINITIC RAILS

Title (de)

TANK ZUR EFFEKTIVEN KÜHLUNG ZUR BEHANDLUNG PERLITISCHER UND BAINITISCHER SCHIENEN

Title (fr)

RÉSERVOIR À REFROIDISSEMENT EFFICACE POUR LE TRAITEMENT DE RAILS PERLITIQUES ET BAINITIQUES

Publication

EP 3099828 B1 20190102 (EN)

Application

EP 15710881 A 20150129

Priority

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- IB 2015050669 W 20150129

Abstract (en)

[origin: WO2015114550A1] A cooling tank (1) for the thermal treatment of a head (20) of a rail, comprising a container (1') defining a longitudinal symmetry plane (X) and adapted to be filled with a cooling liquid wherein the head (20) to be thermally treated can be at least partly immersed parallel to the symmetry plane (X), said container (1') having a bottom (8) with a single row of holes (23), arranged at said symmetry plane (X), for generating cooling fluid flows in said container (1'), wherein the container (1') is equipped with a pair of first longitudinal bulkheads (13, 14) arranged symmetrically with respect to the symmetry plane (X), wherein said first longitudinal bulkheads (13, 14) have a respective upper concave-shaped stretch (6, 7) with respect to the symmetry plane (X), and wherein the upper stretches (6, 7) are separated from each other by a distance greater than the width of the rail head (20), so as to define an area of the container (1') adapted to house the rail head (20) at least partly.

IPC 8 full level

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CPC (source: EP)

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