

Title (en)

RAIL MANUFACTURING METHOD AND RAIL MANUFACTURING APPARATUS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SCHIENEN UND VORRICHTUNG ZUR SCHIENENHERSTELLUNG

Title (fr)

PROCÉDÉ DE FABRICATION DE RAIL ET APPAREIL DE FABRICATION DE RAIL

Publication

EP 3199255 A1 20170802 (EN)

Application

EP 15845139 A 20150910

Priority

- JP 2014192919 A 20140922
- JP 2015004617 W 20150910

Abstract (en)

To provide a method and an apparatus for manufacturing a rail having high ductility in both a head portion and a foot portion. A heated steel rail material is hot-rolled, the temperature is adjusted by cooling the hot-rolled steel rail material, the steel rail material subjected to the temperature adjustment is processed into a rail shape by means of temperature-adjusted rolling at an area reduction ratio of 20% or more, and, in adjusting the temperature of the steel rail material, the surface portions of the steel rail material corresponding to a head portion and a foot portion of the rail shape so that the temperatures of the surface portions reach 500 °C or more and 1,000C or less.

IPC 8 full level

B21B 1/085 (2006.01); **C21D 8/00** (2006.01); **C21D 9/04** (2006.01); **C22C 38/00** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP US)

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Cited by

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Designated extension state (EPC)

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