

Title (en)
THICK STEEL PLATE MANUFACTURING FACILITY AND MANUFACTURING METHOD

Title (de)
ANLAGE ZUR HERSTELLUNG DICKER STAHLPLATTEN UND HERSTELLUNGSVERFAHREN

Title (fr)
INSTALLATION DE FABRICATION ET PROCÉDÉ DE FABRICATION DE PLAQUE D'ACIER ÉPAISSE

Publication
EP 3195946 A4 20170906 (EN)

Application
EP 15836765 A 20150814

Priority
• JP 2014171045 A 20140826
• JP 2015004055 W 20150814

Abstract (en)
[origin: EP3195946A1] It is an object to provide a facility and a method for manufacturing a steel plate having excellent shapes and excellent mechanical properties, by performing uniform cooling in a cooling step by uniformizing scales that are generated on surfaces of the steel plate in a descaling step. A facility for manufacturing a steel plate includes a hot rolling apparatus, a shape correcting apparatus, a descaling apparatus, and an accelerated cooling apparatus which are set in this order from an upstream side in a conveyance direction, wherein jetting nozzles of the descaling apparatus are set in two rows with respect to a longitudinal direction of a steel plate, and wherein energy density E of descaling water that is jetted towards a surface of the steel plate from the two rows of jetting nozzles is greater than or equal to 0.08 J/mm² in total.

IPC 8 full level
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CPC (source: EP KR)
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B21B 45/06 (2013.01 - EP KR); **B21B 45/08** (2013.01 - EP KR)

Citation (search report)
• [Y] EP 2412455 A1 20120201 - JFE STEEL CORP [JP]
• [Y] JP 2003181522 A 20030702 - NIPPON STEEL CORP
• [Y] JP S5970418 A 19840420 - SUMITOMO METAL IND
• See references of WO 2016031168A1

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