

Title (en)

STEEL PLATE MANUFACTURING EQUIPMENT AND STEEL PLATE MANUFACTURING METHOD

Title (de)

ANLAGE ZUR HERSTELLUNG VON STAHLPLATTEN UND VERFAHREN ZUR HERSTELLUNG VON STAHLPLATTEN

Title (fr)

ÉQUIPEMENT DE FABRICATION DE PLAQUE D'ACIER ET PROCÉDÉ DE FABRICATION DE PLAQUE D'ACIER

Publication

EP 3653312 A4 20200729 (EN)

Application

EP 18861857 A 20180918

Priority

- JP 2017187298 A 20170928
- JP 2018034420 W 20180918

Abstract (en)

[origin: EP3653312A1] Provided are a steel-plate manufacturing facility capable of uniformly cooling a hot steel plate through on-line cooling to manufacture a flat steel plate with a uniform quality, and a method for manufacturing a steel plate. A hot rolling mill, a first shape correction device, and an accelerated cooling device are arranged in this order. The accelerated cooling device includes dewatering rollers that restrict a steel plate from above and below, and a control system that controls a pressing load P to restrict the steel plate.

IPC 8 full level

B21B 45/02 (2006.01); **B21B 1/38** (2006.01)

CPC (source: EP KR RU)

B21B 1/38 (2013.01 - RU); **B21B 15/00** (2013.01 - KR); **B21B 37/74** (2013.01 - KR); **B21B 45/02** (2013.01 - RU); **B21B 45/0218** (2013.01 - KR); **B21B 45/0281** (2013.01 - EP); **B21B 1/38** (2013.01 - EP); **B21B 39/006** (2013.01 - EP); **B21B 45/0218** (2013.01 - EP); **B21B 2015/0071** (2013.01 - KR)

Citation (search report)

- [XAYI] JP 2007007676 A 20070118 - JFE STEEL KK
- [YD] JP 2002011515 A 20020115 - NIPPON KOKAN KK
- [A] EP 2540407 A1 20130102 - NIPPON STEEL & SUMITOMO METAL CORP [JP]
- [A] WO 0164362 A1 20010907 - NIPPON KOKAN KK [JP], et al
- See references of WO 2019065360A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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