Title (en)
THICK STEEL PLATE MANUFACTURING METHOD

Title (de)
HERSTELLUNGSVERFAHREN FÜR DICKE STAHLPLATTE

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

Publication
EP 3187275 A4 20170906 (EN)

Application
EP 15836450 A 20150814

Priority
• JP 2014171046 A 20140826
• JP 2015004056 W 20150814

Abstract (en)
[origin: EP3187275A1] It is an object to provide a method for manufacturing a steel plate that provides a high-quality steel plate having less variation in quality. A method for manufacturing a steel plate, which performs a hot rolling step, a hot correction step, and an accelerated cooling step in this order, the method further including a descaling step in which jetting of descaling water is performed two times between the hot correction step and the accelerated cooling step, wherein, in the descaling step, energy density of the descaling water that is jetted to a surface of the steel plate is greater than or equal to 0.07 J/mm 2 in total for the jetting performed two times, second-descaling water is jetted after 0.5 s or more after jetting first-descaling water, and a surface temperature of the steel plate just before the second-descaling water is jetted is lower than or equal to a Ar 3 transformation point.

IPC 8 full level
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CPC (source: EP KR)
B21B 1/38 (2013.01 - EP KR); **B21B 37/74** (2013.01 - KR); **B21B 45/02** (2013.01 - EP); **B21B 45/06** (2013.01 - EP KR); **B21B 45/08** (2013.01 - EP KR); B21B 2261/20 (2013.01 - KR)

Citation (search report)
• [A] EP 2412455 A1 20120201 - JFE STEEL CORP [JP]
• [A] JP 2012077325 A 20120419 - JFE STEEL CORP
• See references of WO 2016031169A1

Designated contracting state (EPC)
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BA ME

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