Title (en)
METHOD FOR HOT-ROLLING A SLAB AND HOT-ROLLING MILL

Title (de)
VERFAHREN ZUM WARMWALZEN EINER BRAMME UND WARMWALZWERK

Title (fr)
PROCÉDÉ DE LAMINAGE À CHAUD D'UNE BRAME ET LAMINOIR À CHAUD

Publication
EP 2516079 B1 20150211 (DE)

Application
EP 10803583 A 20101206

Priority
• DE 102009060256 A 20091223
• EP 2010068904 W 20101206

Abstract (en)
[origin: WO2011076544A2] The invention relates to a method for hot-rolling a slab (1), especially a steel slab, the slab (1) being subjected to at least two shaping steps at different temperatures in a hot-rolling mill (2), the slab (1) being cooled between two such shaping steps. In order to prevent ferrite from forming too soon during the hot-rolling, the slab (1) is cooled such that the lateral end sections (3, 4) of the slab (1) are cooled with a lower cooling efficiency than a center section (5) of the slab (1). The invention further relates to a hot-rolling mill (2) for hot-rolling a slab.

IPC 8 full level
B21B 45/02 (2006.01)

CPC (source: EP KR US)
B21B 1/26 (2013.01 - KR); **B21B 45/02** (2013.01 - KR); **B21B 45/0203** (2013.01 - EP US); B21B 45/0209 (2013.01 - EP US); B21B 2001/028 (2013.01 - EP US); B21B 2201/06 (2013.01 - EP US); B21B 2261/21 (2013.01 - EP US)

Cited by
CN110891702A; US11331704B2; US11712725B2

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

DOCDB simple family (publication)
WO 2011076544 A2 20110630; **WO 2011076544 A3 20110818**; CN 102655959 A 20120905; CN 102655959 B 20160518; DE 102009060256 A1 20110630; EP 2516079 A2 20121031; EP 2516079 B1 20150211; KR 101421976 B1 20140722; KR 20120102740 A 20120918; RU 2012131155 A 20140127; RU 2528560 C2 20140920; US 2012297849 A1 20121129

DOCDB simple family (application)
EP 2010068904 W 20101206; CN 201080058626 A 20101206; DE 102009060256 A 20091223; EP 10803583 A 20101206; KR 20127017270 A 20101206; RU 2012131155 A 20101206; US 201013519037 A 20101206