

Title (en)
THERMO-MECHANICAL ROLLING OF AN ALUMINIUM PANEL

Title (de)
THERMOMECHANISCHES WALZEN EINER ALUMINIUMPLATTE

Title (fr)
LAMINAGE THERMOMÉCANIQUE D'UNE PLAQUE D'ALUMINIUM

Publication
EP 2828011 B1 20170809 (DE)

Application
EP 13719045 A 20130417

Priority
• EP 12165758 A 20120426
• EP 2013057960 W 20130417
• EP 13719045 A 20130417

Abstract (en)
[origin: EP2656932A1] The method involves giving characteristics (4) for thermal guidance of rolling process and determining the running value of a state variable (3), from which a temperature of an aluminum plate is derived. A pass schedule (5) is determined for the rolling process depending on the determined values of the state variable and the characteristics. The pass schedule between two reduction stages allows a rolling interval, during which the rollers of an aluminum plate are cut to its cooling.

IPC 8 full level
B21B 3/00 (2006.01)

CPC (source: EP US)
B21B 3/00 (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US); **B21B 38/006** (2013.01 - EP US); **B21B 2003/001** (2013.01 - EP US); **B21B 2201/06** (2013.01 - EP US)

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)
EP 2656932 A1 20131030; BR 112014026380 A2 20170627; BR 112014026380 A8 20180403; BR 112014026380 B1 20191119; CN 104245166 A 20141224; CN 104245166 B 20161102; EP 2828011 A1 20150128; EP 2828011 B1 20170809; US 10131979 B2 20181120; US 2015122375 A1 20150507; WO 2013160162 A1 20131031

DOCDB simple family (application)
EP 12165758 A 20120426; BR 112014026380 A 20130417; CN 201380020354 A 20130417; EP 13719045 A 20130417; EP 2013057960 W 20130417; US 201314397084 A 20130417