

Title (en)

METHOD FOR THE MANUFACTURE OF AN ALUMINIUM ALLOY PLATE PRODUCT HAVING LOW LEVELS OF RESIDUAL STRESS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ALUMINIUMLEGIERUNGSPLATTENPRODUKTS MIT NIEDRIGER RESTSPANNUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PRODUIT DE TYPE TÔLE D'ALLIAGE D'ALUMINIUM PRÉSENTANT DE FAIBLES TAUX DE CONTRAINTE RÉSIDUELLE

Publication

EP 2379765 A1 20111026 (EN)

Application

EP 10700994 A 20100115

Priority

- EP 2010050479 W 20100115
- EP 09150734 A 20090116
- US 14525809 P 20090116
- EP 10700994 A 20100115

Abstract (en)

[origin: WO2010081889A1] The invention relates to a method of the manufacture of a thick gauge aluminium alloy plate having reduced level of residual stress, said method comprising (a) providing a solution heat-treated and quenched aluminium alloy plate having a thickness of at least 80 mm, (b) stress-relieving said plate by cold rolling the plate to achieve a reduction in the thickness direction of the plate product in a range of up to 8%.

IPC 8 full level

C22F 1/04 (2006.01)

CPC (source: EP)

C22C 21/00 (2013.01); **C22F 1/04** (2013.01)

Citation (search report)

See references of WO 2010081889A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010081889 A1 20100722; CN 102282284 A 20111214; EP 2379765 A1 20111026; EP 2379765 B1 20121031; EP 2379765 B2 20161012; EP 2379765 B8 20121212; RU 2011129115 A 20130227; RU 2524291 C2 20140727

DOCDB simple family (application)

EP 2010050479 W 20100115; CN 201080004645 A 20100115; EP 10700994 A 20100115; RU 2011129115 A 20100115