

Title (en)

HIGH HARDNESS ALUMINIUM MOULDING PLATE AND METHOD FOR PRODUCING SAID PLATE

Title (de)

ALUMINIUMFORMPLATTE MIT HOHER HÄRTE UND VERFAHREN ZUR HERSTELLUNG DIESER PLATTE

Title (fr)

PLAQUE DE MOULAGE D'ALUMINIUM DE HAUTE DURETE ET PROCEDE DE PRODUCTION DE LA PLAQUE

Publication

EP 1802782 B1 20080319 (EN)

Application

EP 05805867 A 20051004

Priority

- EP 2005010805 W 20051004
- EP 04077718 A 20041005
- EP 05805867 A 20051004

Abstract (en)

[origin: US2006070686A1] Moulding plate of an aluminium wrought alloy including, in weight percent: Si 1.4-2.1, Mn 0.8-1.2, Cu 0.45-0.9, Mg 0.7-1.2, Ti <0.15, Zn <0.4, Fe <0.7, one or more of Zr, Cr, V each <0.25, incidental elements and impurities, each <0.05, total <0.25, the balance aluminium, and having a thickness of more than 0.6 mm and in T6 temper condition having a hardness of more than 105 HB. A method of making the plate is also disclosed.

IPC 8 full level

C22C 21/02 (2006.01); **C22F 1/043** (2006.01)

CPC (source: EP US)

C22C 21/02 (2013.01 - EP US)

Cited by

EP3214191A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2876117 A1 20060407; **FR 2876117 B1 20071026**; AT E389736 T1 20080415; CA 2582249 A1 20060413; CN 100562595 C 20091125; CN 101035919 A 20070912; DE 102005047406 A1 20060601; DE 602005005509 D1 20080430; DE 602005005509 T2 20090416; EP 1802782 A1 20070704; EP 1802782 B1 20080319; ES 2302247 T3 20080701; US 2006070686 A1 20060406; WO 2006037647 A1 20060413

DOCDB simple family (application)

FR 0510136 A 20051004; AT 05805867 T 20051004; CA 2582249 A 20051004; CN 200580033962 A 20051004; DE 102005047406 A 20051004; DE 602005005509 T 20051004; EP 05805867 A 20051004; EP 2005010805 W 20051004; ES 05805867 T 20051004; US 24062905 A 20051003