

Title (en)

Aluminium alloy and method for producing a product from same

Title (de)

Aluminiumlegierung und Verfahren zur Herstellung eines Produkts aus einer Aluminiumlegierung

Title (fr)

Alliage d'aluminium et procédé de fabrication d'un produit à partir d'un alliage d'aluminium

Publication

EP 2103701 A1 20090923 (DE)

Application

EP 09001885 A 20090211

Priority

DE 102008010157 A 20080220

Abstract (en)

Aluminum alloy comprises silicon (0.68-0.77 wt.%), iron (0.16-0.24 wt.%), copper (0.24-0.32 wt.%), manganese (0.68-0.77 wt.%), magnesium (0.58-0.67 wt.%), chromium (less than 0.04 wt.%), zinc (less than 0.1 wt.%), titanium (less than 0.1 wt.%), vanadium (less than 0.04 wt.%), other components (less than 0.3 wt.%) and aluminum (balance). An independent claim is included for the preparation of a product from the aluminum alloy, comprising heating a semi-finished product made from the aluminum alloy, homogenizing the semi-finished product in a temperature, and contacting the hot preparation on the product.

Abstract (de)

Beschrieben ist eine Aluminiumlegierung, insbesondere zur Verarbeitung in Strangpreßverfahren, die gekennzeichnet ist durch folgende Zusammensetzung in Masse-%: Si 0,68 - 0,77, Fe 0,16-0,24, Cu 0,24 - 0,32, Mn 0,68 - 0,77, Mg 0,58 - 0,67, Cr < 0,04, Zn < 0,1, Ti < 0,1, V < 0,04, Sonstige (gesamt) < 0,3 und Al Rest.

IPC 8 full level

C22C 21/02 (2006.01); **C22C 21/08** (2006.01); **C22F 1/05** (2006.01)

CPC (source: EP)

C22C 21/02 (2013.01); **C22C 21/08** (2013.01); **C22F 1/05** (2013.01)

Citation (search report)

- [A] US 4525326 A 19850625 - SCHWELLINGER PIUS [DE], et al
- [A] JP S56123346 A 19810928 - SHOWA ALUMINIUM CO LTD
- [A] WO 0238821 A1 20020516 - NORSK HYDRO AS [NO], et al
- [A] US 2007051443 A1 20070308 - LUKASAK DAVID A [US], et al

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CN113403509A; WO2013162374A1; EP2728026A1; US10661338B2; EP2841611B1

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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EP 09001885 A 20090211; AT 09001885 T 20090211; DE 102008010157 A 20080220; DE 5020090000030 T 20090211; DK 09001885 T 20090211; ES 09001885 T 20090211; PL 09001885 T 20090211; PT 09001885 T 20090211