

Title (en)

PROCESS FOR MANUFACTURING SEMI-FINISHED PRODUCTS COMPRISING TWO ALUMINIUM-BASED ALLOYS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HALBZEUGEN MIT ZWEI ALUMINIUM-LEGIERUNGEN

Title (fr)

PROCÉDÉ DE FABRICATION DE DEMI-PRODUITS COMPORTANT DEUX ALLIAGES À BASE D'ALUMINIUM

Publication

EP 1965936 B1 20200415 (FR)

Application

EP 06841935 A 20061214

Priority

- FR 2006002731 W 20061214
- FR 0512809 A 20051216

Abstract (en)

[origin: FR2894857A1] The vertical casting of an intermediary product comprises: (A) preparation of at least two aluminum based alloys with different compositions (P and T); (B) casting of the first alloy (P) to a given height; (C) casting of a supplementary given height with the second alloy (T). Independent claims are also included for : (1) the intermediary product obtained; (2) the production of a sheet from the intermediary product; (3) the sheet thus obtained; (4) the production of a section or bar from the intermediary product; (5) the section or bar thus obtained; (6) the production of a forged component from the intermediary product; (7) the forged component thus obtained; (8) a structural element able to be fabricated from the intermediary product.

IPC 8 full level

B22D 7/02 (2006.01); **B22D 11/00** (2006.01); **B22D 11/041** (2006.01)

CPC (source: EP US)

B21C 33/004 (2013.01 - EP US); **B21C 37/02** (2013.01 - EP US); **B21C 37/065** (2013.01 - EP US); **B21J 5/002** (2013.01 - EP US); **B22D 19/16** (2013.01 - EP US); **Y10T 29/49988** (2015.01 - EP US); **Y10T 29/49991** (2015.01 - EP US); **Y10T 428/12229** (2015.01 - EP US)

Citation (examination)

- FR 1505826 A 19671215 - GLACIER CO LTD
- US 3353934 A 19671121 - ROBINSON GROVER C
- WO 2004112992 A2 20041229 - ALCAN INT LTD [CA], et al

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 2894857 A1 20070622; **FR 2894857 B1 20090515**; CA 2632999 A1 20070719; CA 2632999 C 20161108; CN 101330995 A 20081224; CN 101330995 B 20120418; DE 06841935 T1 20090115; EP 1965936 A1 20080910; EP 1965936 B1 20200415; US 2007259200 A1 20071108; US 7938165 B2 20110510; WO 2007080265 A1 20070719

DOCDB simple family (application)

FR 0512809 A 20051216; CA 2632999 A 20061214; CN 200680047517 A 20061214; DE 06841935 T 20061214; EP 06841935 A 20061214; FR 2006002731 W 20061214; US 63364006 A 20061205