

Title (en)

METHOD FOR PRODUCING A STRUCTURAL MATERIAL MADE OF MAGNESIUM-CONTAINING ALUMINIUM-BASED ALLOY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BAUMATERIALS AUS MAGNESIUMHALTIGER LEGIERUNG AUF ALUMINIUMBASIS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MATÉRIAU DE CONSTRUCTION À PARTIR D'UN ALLIAGE À BASE D'ALUMINIUM CONTENANT DU MAGNÉSIUM

Publication

EP 2113576 A1 20091104 (EN)

Application

EP 07793983 A 20070124

Priority

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Abstract (en)

The invention relates to foundry and rolling engineering. The inventive method for producing a structural material made of an aluminium-based alloy having the following component weighting ratio (%): 9.0-11.0 magnesium, 0.15-0.2 zirconium, 0.01-0.001 cobalt, 0.001-0.02 beryllium, aluminium being the rest, consists in producing a billet, in exposing it to heat treatment and in rolling said billet, wherein a melt used for producing the billet is crystallised in a rotating crystalliser with a gravitation factor ranging from 220 to 250 during the melt lifetime of 12-15 sec/kg.

IPC 8 full level

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