

Title (en)
MAGNESIUM ALLOY SHEET AND ITS PRODUCTION

Title (de)
MAGNESIUMSLEGIERUNGSBLECH UND SEINE HERSTELLUNG

Title (fr)
FEUILLE EN ALLIAGE DE MAGNESIUM ET SA PRODUCTION

Publication
EP 1610916 A4 20070228 (EN)

Application
EP 03816013 A 20030922

Priority
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Abstract (en)
[origin: WO2004076097A1] A method of producing magnesium alloy strip, suitable for use in the production of magnesium alloy sheet by rolling reduction and heat treatment, involves casting magnesium alloy as strip, using a twin roll casting installation. In the casting, the thickness and temperature of the strip exiting from between rolls of the installation are controlled whereby the strip has a microstructure characterised by a primary phase having a form selected from deformed dendritic, equiaxed dendritic and a mixture of deformed and equiaxed dendritic forms. The resultant strip is amenable to production of sheet material by application of a homogenizing heat treatment followed by rolling and annealing.

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Citation (search report)
• [A] WO 0213993 A1 20020221 - UNIV BRUNEL [GB], et al
• [A] GB 1229810 A 19710428
• [A] DE 10052423 C1 20020103 - THYSSENKRUPP STAHL AG [DE]
• See references of WO 2004076097A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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