

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF METAL ALLOY BODIES HAVING LOCALIZED SMALL PARTICLE SIZE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON METALLLEGIERUNGSKÖRPERN MIT LOKALISIERTEN KLEINEN KORNGRÖSSEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FABRIQUER DES CORPS D'ALLIAGE METALLIQUE A GRANULOMETRIE LOCALEMENT FAIBLE

Publication

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Application

**EP 03798871 A 20030926**

Priority

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Abstract (en)

[origin: WO2004031431A2] The invention relates to a method for the production of metal alloys, especially magnesium alloys, having small particle size in a non-extruded metal alloy body, in addition to a device for carrying out said method and a product which is produced according to the inventive method. Cyclical, location-dependent, alternating charging of partial surfaces of the surface of the non-extruded metal alloy body enables them to be locally compressed and de-compressed. In association with a process temperature of up to 600 DEG C of the metal alloy body, this leads to a reduction in the particle size of the metal alloy on the surface, which in turn leads to a significant improvement of the rollability of the metal alloy.

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