

Title (en)

METHOD FOR PRODUCING AN OBJECT MADE FROM A HARDENABLE ALUMINIUM ALLOY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GEGENSTANDES AUS HÄRTBARER ALUMINIUMLEGIERUNG

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN OBJET FABRIQUÉ À PARTIR D'UN ALLIAGE D'ALUMINIUM DURCISSABLE

Publication

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Application

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Priority

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Abstract (en)

The invention concerns a method for producing an object (1) made from a hardenable aluminium alloy, the method comprising: providing a raw product of the hardenable aluminium alloy; heating the raw product of the hardenable aluminium alloy to an elevated temperature in order to dissolve precipitates; optionally holding the raw product of the hardenable aluminium alloy at the elevated temperature for a predetermined time; rapidly quenching the raw product of the hardenable aluminium alloy to a temperature lower than the elevated temperature in order to maintain at least partly dissolved precipitates within the aluminium alloy; forming the raw product of the hardenable aluminium alloy to produce the object (1) below a temperature of 0 °C, in particular below -150 °C, to produce the object (1). Furthermore, the invention comprises a structured component obtainable by this method.

IPC 8 full level

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