

Title (en)
SHEET METAL PRODUCT WITH HIGH BENDABILITY AND MANUFACTURING THEREOF

Title (de)
BLECHPRODUKT MIT HOHER BIEGSAMKEIT UND HERSTELLUNG DAVON

Title (fr)
PRODUIT EN TÔLE À FLEXIBILITÉ ÉLEVÉE ET SON PROCÉDÉ DE FABRICATION

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Abstract (en)
[origin: EP3741880A1] The invention refers to a method of manufacturing a sheet metal product (10) including the steps of:a) providing a molten magnesium alloy consisting of- 0.2 wt% to 2 wt% Zn,- an amount of Ca,- 0.0 wt% to 0.3 wt% Zr,- 0.0 wt% to 1.0 wt% rare earth elements and/or Sr,- unavoidable impurities, and- the balance being Mgb) forming a strip in a twin roll casting process,c) performing a warm rolling process on the strip andd) performing a subsequent heat treatment on the strip at 250°C to 450°C for 0,5 min to 60 min.It is provided that the amount of Ca is chosen from an interval [0.1 wt%, 0.4 wt%].The invention further refers to a sheet metal product (10), obtained or obtainable by the method of the invention.

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