

Title (en)  
METHOD OF MANUFACTURING AN ALMGSI ALLOY SHEET PRODUCT

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES BLECHPRODUKTS AUS ALMGSI-LEGIERUNG

Title (fr)  
PROCÉDÉ DE FABRICATION D'UN PRODUIT DE FEUILLE D'ALLIAGE ALMGSI

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Application  
**EP 19705361 A 20190219**

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Abstract (en)  
[origin: WO2019174870A1] The invention relates to a method of manufacturing an AlMgSi<u>(Cu)</u> alloy sheet product particularly suitable for use in the production of automotive body parts, the method comprising the steps of (a) providing a rolled aluminium alloy sheet comprising an AA6000-series alloy; (b) solution heat treating the rolled aluminium alloy sheet; (c) quenching said sheet; (d) pre-ageing said sheet by subjecting it to a heat treatment at a pre-ageing temperature of 65°C to 110°C, for a pre-ageing time of 20 to 70 min. and (e) cooling the pre-aged sheet from the pre-ageing temperature at a cooling rate of more than 3°C/h. The invention is also related to an aluminium sheet product produced by this method.

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Citation (opposition)  
Opponent : C-TEC CONSTELLIUM TECHNOLOGY CENTER, CONSTELLIUM NEUF-BRISACH, CONSTELLIUM BOWLING GREEN LLC  
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