

Title (en)

USE OF ALUMINIUM-SILICON-MAGNESIUM ALLOY FOR MANUFACTURING OF MOTOR VEHICLE BODY PARTS AND METHOD FOR MANUFACTURING THE SAME.

Title (de)

VERWENDUNG EINER ALUMINIUM-SILIZIUM-MAGNESIUM-LEGIERUNG ZUR HERSTELLUNG VON FAHRZEUGKARROSSERIE TEILEN UND VERFAHREN DIESER HERSTELLUNG.

Title (fr)

UTILISATION D'ALLIAGE ALUMINIUM-SILICIUM-MAGNESIUM POUR FABRICATION DE PIECES DE CARROSSERIE AUTOMOBILE ET PROCEDE DE FABRICATION DE TELLES PIECES.

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Application

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Abstract (en)

[origin: WO9741272A1] The invention discloses an aluminium alloy, to be used particularly in the manufacture of the external parts of a motor vehicle body, of the following composition (wt.%): Si: 0.5-0.8, Mg 0.45-0.65, Cu: 0.55-0.75, Mn and/or Cr: 0.1-0.3 with $1.6 < \text{Si} + \text{Mg} + \text{Cu} < 2.0$. The composition of the invention provides high mechanical strength following an easy solution-treatment step and paint curing at 150 to 170 DEG C.

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