

Title (en)

Method for producing a moulded part

Title (de)

Verfahren zur Herstellung eines Formteils

Title (fr)

Procédé de fabrication d'un élément de formage

Publication

EP 2581466 B1 20150401 (DE)

Application

EP 11185347 A 20111014

Priority

EP 11185347 A 20111014

Abstract (en)

[origin: EP2581466A1] Producing a molded part made of aluminum sheet (2) containing aluminum alloy, comprises: at least partially pre-cooling, preferably deep drawing an un-molded aluminum sheet, prior to its molding carried out with a molding tool; and introducing the pre-cooled aluminum sheet into a molding tool that is cooled at least in areas, for molding, where at least one pre-cooled- and critically failed sheet metal area (6) of the aluminum plate with at least one cooled mold area, is molded at low temperature, such that a failure-free molding on the aluminum plate is carried out. An independent claim is also included for a body side wall, preferably for a motor vehicle, comprising a door frame area (14) that is critical failed during the deep-drawing, made of the aluminum sheet having 6xxx aluminum alloy, by the above method.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP3020491A1; CN107866491A; CN113319169A; WO2022160457A1

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