

Title (en)

AUTOMOTIVE OUTER PANEL MADE FROM A 6XXX-SERIES ALUMINIUM ALLOY SHEET PRODUCT

Title (de)

AUS BLECHPRODUKT AUS 6XXX-SERIE-ALUMINIUMLEGIERUNG-GEFERTIGTES AUTOMOBILKAROSSERIETEIL

Title (fr)

PANNEAU EXTÉRIEUR D'AUTOMOBILE CONSTITUÉ D'UN PRODUIT EN FEUILLE D'ALLIAGE D'ALUMINIUM DE SÉRIE 6XXX

Publication

**EP 3662092 A1 20200610 (EN)**

Application

**EP 18753328 A 20180730**

Priority

- EP 17184490 A 20170802
- EP 2018070532 W 20180730

Abstract (en)

[origin: WO2019025335A1] The invention relates to an automotive outer panel made from a 6xxx-series aluminium alloy sheet product consisting of, in wt.-%: Si 0.54% to 0.75%, Mg 0.57% to 0.80%, Cu 0.03% to 0.20%, Mn 0.06% to 0.20%, Fe 0.10% to 0.25%, wherein the ratio of Fe to Mn is in a range of 1.0 to 2.30 (Fe:Mn), Cr up to 0.09%, Zn up to 0.15%, V up to 0.04%, Ti up to 0.15%, other elements and unavoidable impurities each up to 0.05%, total up to 0.2%, balance aluminium.

IPC 8 full level

**C22C 21/06** (2006.01); **C22C 21/08** (2006.01); **C22F 1/047** (2006.01); **C22F 1/05** (2006.01)

CPC (source: EP US)

**C22C 21/02** (2013.01 - US); **C22C 21/06** (2013.01 - EP); **C22C 21/08** (2013.01 - EP US); **C22F 1/05** (2013.01 - EP US)

Citation (search report)

See references of WO 2019025335A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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