Title (en)

CORROSION-RESISTANT AUSTENITIC STEEL

Title (de)

KORROSIONSBESTÄNDIGER AUSTENITISCHER STAHL

Title (fr)

ACIER AUSTÉNITIQUE RÉSISTANT À LA CORROSION

Publication

EP 2406405 A1 20120118 (DE)

Application

EP 10714561 A 20100303

Priority

- DE 2010000232 W 20100303
- DE 102009003598 A 20090310

Abstract (en)

[origin: WO2010102601A1] A corrosion-resistant austenitic steel is claimed which, in each case relative to 100 mass percent, contains 20 to 32% manganese, 10 to 15% chromium, a total of 0.5 to 1.3% carbon and nitrogen, wherein the ratio of carbon to nitrogen is 0.5 to 1.5, the remainder being iron and melt-related impurities. The claimed steel can be produced and processed at normal pressure and has TWIP properties. It is in particular suited for producing structural components in constructs, such as in the automotive industry.

IPC 8 full level

C22C 38/04 (2006.01); **C22C 38/18** (2006.01)

CPC (source: EP US)

C21D 8/02 (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/18** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); C21D 2211/001 (2013.01 - EP US)

Citation (search report)

See references of WO 2010102601A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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