

Title (en)

MARTENSITE STAINLESS STEEL FOR AN INJECTION-MOULDING MOULD HAVING IMPROVED CORROSION RESISTANCE

Title (de)

MARTENSITISCHER EDELSTAHL MIT ERHÖHTER KORROSIONSFESTIGKEIT FÜR EINE SPRITZGUSSFORM

Title (fr)

ACIER INOXYDABLE DE MARTENSITE POUR UN MOULE DE MOULAGE PAR INJECTION AYANT UNE RÉSISTANCE À LA CORROSION AMÉLIORÉE

Publication

EP 2518176 B1 20180516 (EN)

Application

EP 10839728 A 20101220

Priority

- KR 20090128883 A 20091222
- KR 2010009107 W 20101220

Abstract (en)

[origin: EP2518176A2] Provided is a martensitic stainless steel for an injection-molding mold having outstanding machinability and corrosion resistance, which contains, as percentages by weight, 0.03 to 0.12% carbon, 0.02 to 0.08% nitrogen, 0.3 to 0.7% silicon, 0.6 to 2% manganese, 0.001 to 0.03% phosphorus, 0.1 to 0.3% sulfur, 11.5 to 15% chromium, 0.05 to 1% copper, 0.6 to 3% nickel and 0.0005 to 0.003% calcium, and iron and other unavoidable impurities as remnants.

IPC 8 full level

C22C 38/18 (2006.01); **C22C 38/00** (2006.01); **C22C 38/02** (2006.01); **C22C 38/04** (2006.01); **C22C 38/20** (2006.01); **C22C 38/42** (2006.01)

CPC (source: CN EP KR)

C22C 38/001 (2013.01 - CN EP); **C22C 38/002** (2013.01 - CN EP); **C22C 38/02** (2013.01 - EP); **C22C 38/04** (2013.01 - EP); **C22C 38/18** (2013.01 - KR); **C22C 38/42** (2013.01 - EP); **C22C 38/58** (2013.01 - KR); **C22C 38/60** (2013.01 - CN); **C21D 2211/008** (2013.01 - CN)

Cited by

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DOCDB simple family (publication)

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