

Title (en)

Martensitic stainless steel with improved machinability.

Title (de)

Martensitisches rostfreies Stahl mit verbesserter Bearbeitbarkeit.

Title (fr)

Acier inoxydable martensitique à usinabilité améliorée.

Publication

**EP 0629714 A1 19941221 (FR)**

Application

**EP 94401246 A 19940606**

Priority

FR 9307141 A 19930614

Abstract (en)

Martensitic stainless steel with improved machinability, characterised in that its composition by weight is the following: - carbon lower than 1.2 % - silicon lower than or equal to 2 % - manganese lower than or equal to 2 % - chromium:  $10.5 < Cr < 19$  % - sulphur lower than or equal to 0.55 % - calcium higher than  $32 \times 10^{-4}$  % - oxygen higher than  $70 \times 10^{-4}$  %, - the ratio of the calcium and oxygen contents Ca/O being  $0.2 < Ca/O < 0.6$ , the said steel being subjected to at least one quenching heat treatment in order to give it a martensitic structure.

IPC 1-7

**C22C 38/60**

IPC 8 full level

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CPC (source: EP KR US)

**C22C 38/02** (2013.01 - KR); **C22C 38/18** (2013.01 - KR); **C22C 38/60** (2013.01 - EP US)

Citation (search report)

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