

Title (en)

Austenitic stainless steel with high machine ability and improved cold work ability.

Title (de)

Rostfreier austenitischer Stahl mit guter Zerspanbarkeit und verbesserten Kaltverformungseigenschaften.

Title (fr)

Acier inoxydable austénitique à haute usinabilité et à déformation à froid améliorée.

Publication

EP 0567365 A1 19931027 (FR)

Application

EP 93400903 A 19930406

Priority

FR 9204810 A 19920417

Abstract (en)

A weldable austenitic stainless steel with high machinability and improved cold workability, characterised in that its weight composition is the following: C lower than 0.1 %, Si lower than 2 %, Mn lower than 2 %, S lower than 0.03 %, Ni between 8 and 10 %, Cr between 15 and 25 %, P lower than or equal to 0.04 %, Mo lower than 0.5 %, Cu between 1 and 5 %, N between 0.02 and 0.07 %, Ca higher than 30x10⁻⁴ %, O higher than 70x10⁻⁴ %, Al lower than 50x10⁻⁴ %, the Ca/O ratio being between 0.3 and 0.6.

IPC 1-7

C22C 38/42; **C22C 38/00**

IPC 8 full level

C22C 38/00 (2006.01); **C22C 38/42** (2006.01)

CPC (source: EP US)

C22C 38/001 (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US)

Citation (search report)

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- [A] US 3282684 A 19661101 - ALLEN PAUL M
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