

Title (en)  
Stainless steels

Title (de)  
Rostfreie Stähle

Title (fr)  
Aciers inoxydables

Publication  
**EP 0408281 B1 19960501 (EN)**

Application  
**EP 90307465 A 19900709**

Priority  
JP 17976889 A 19890711

Abstract (en)  
[origin: EP0408281A1] A stainless steel having improved cold forgeability, corrosion resistance and electromagnetic properties as a raw material for electromagnetic components, which consists essentially of, by weight percentage, C<math>\leq 0.030\%, Si<math>\leq 1.00\%, Mn<math>\leq 0.50\%, P<math>\leq 0.030\%, S<math>\leq 0.030\%, 17%<math>\leq \text{Cr} \leq 35\%, 0.03%<math>\leq \text{Al} \leq 7\%, N<math>\leq 0.030\%, O<math>\leq 0.010\%, and optional alloying elements such as Nb, Ti, Ni, Mo, Pb, Bi, and so on for improving the characteristics including machinability.

IPC 1-7  
**C22C 38/18**

IPC 8 full level  
**C22C 38/00** (2006.01); **C22C 38/18** (2006.01); **C22C 38/28** (2006.01); **C22C 38/44** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP)  
**C22C 38/18** (2013.01)

Citation (examination)

- EP 0291719 A2 19881123 - SCHLOEMANN SIEMAG AG [DE]
- "Die physikalische Chemie der Eisen- und Stahlerzeugung", 1964, pages 316-339
- "Werkstoffkunde Stahl", vol.2, 1985, page 404

Cited by  
EP1571231A1; CN109680206A; WO0247094A1

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0408281 A1 19910116**; **EP 0408281 B1 19960501**; DE 69026763 D1 19960605; DE 69026763 T2 19970102; JP 2876627 B2 19990331; JP H0344448 A 19910226

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