

Title (en)
Improved steel composition

Title (de)
Verbesserte Stahlzusammensetzung

Title (fr)
Composition améliorée d'acier

Publication
EP 1087029 A3 20010516 (EN)

Application
EP 00107561 A 20000407

Priority
GB 9922757 A 19990927

Abstract (en)
[origin: GB2345491A] The invention relates to an austenitic stainless steel composition which is substantially free of nickel and which can be used for medical implants and/or jewellery manufacture. The steel comprises 0 - 0.15% C, 0 - 0.3% Si, 12 - 25% Mn, 12 - 20% Cr, 0 - 2.4% Mo, 0.3 0 - 0.55% N, 0 - 10% Co, 0 - 0.9% Cu, Ni less than 0.05% balance Fe and incidental impurities.

IPC 1-7
C22C 38/38

IPC 8 full level
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CPC (source: EP)
C22C 38/001 (2013.01); **C22C 38/38** (2013.01); **C22C 38/44** (2013.01)

Citation (search report)

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- [X] GB 778597 A 19570710 - FORD MOTOR CO
- [X] FR 2493344 A1 19820507 - GEN ELECTRIC [US]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 10 31 August 1998 (1998-08-31)
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- [A] MENZEL ET AL: "High nitrogen containing Ni-free austenitic steels for medical applications", ISIJ INTERNATIONAL,JP,TOKYO, vol. 7, no. 36, 1996, pages 893 - 900, XP002074520

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DOCDB simple family (publication)
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DOCDB simple family (application)
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