

Title (en)
Stainless steel.

Title (de)
Rostfreier Stahl.

Title (fr)
Acier inoxydable.

Publication
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Application
EP 91850036 A 19910213

Priority
SE 9000673 A 19900226

Abstract (en)
The invention relates to a high strength vanadium containing stainless steel alloy in which the amounts of the alloy elements have been balanced such that the austenite phase remains stable without being deformed into martensite even at largely extended reductions. The steel alloy should essentially consist of 0,04-0,25 % C, 0,1-2 % Si, 2-15 % Mn, 16-23 % Cr, 8-14 % Ni, 0,10-1,5 % N, 0,1-2,5 % V, and the remainder being iron and normal impurities.

IPC 1-7
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IPC 8 full level
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CPC (source: EP KR)
C22C 38/18 (2013.01 - KR); **C22C 38/58** (2013.01 - EP)

Citation (search report)

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- [Y] DE 934836 C 19551103 - EISEN & STAHLIND AG
- [Y] FR 2146838 A5 19730302 - UDDEHOLMS AB
- [Y] FR 2007566 A1 19700109 - ARMCO STEEL CORP
- [A] US 4689198 A 19870825 - FUJIWARA KAZUO [JP], et al
- [A] DE 865604 C 19530202 - EISEN & STAHLIND AG

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