

Title (en)
Stainless steel

Title (de)
Rostfreier Stahl

Title (fr)
Acier inoxydable

Publication
EP 0446188 B1 19971203 (EN)

Application
EP 91850036 A 19910213

Priority
SE 9000673 A 19900226

Abstract (en)
[origin: EP0446188A1] 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.

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C22C 38/58

IPC 8 full level
C22C 38/00 (2006.01); **C22C 38/18** (2006.01); **C22C 38/58** (2006.01); **H01F 1/00** (2006.01)

CPC (source: EP KR)
C22C 38/18 (2013.01 - KR); **C22C 38/58** (2013.01 - EP)

Citation (examination)
US 3592634 A 19710713 - DENHARD ELBERT E JR, et al

Cited by
FR2698104A1; EP1236809A3; EP2058415A1; EP1605073A4; KR20150121061A; EP2963136A4; WO2004083477A1; US7749431B2

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