

Title (en)

NICKEL-POOR AUSTENITIC STEEL

Title (de)

NICKELARMER AUSTENITISCHER STAHL

Title (fr)

ACIER AUSTENITIQUE A FAIBLE TENEUR EN NICKEL

Publication

EP 1194605 A1 20020410 (DE)

Application

EP 00935127 A 20000526

Priority

- CH 117299 A 19990624
- EP 0004823 W 20000526

Abstract (en)

[origin: WO0100897A1] The invention relates to an nickel-poor austenitic steel containing iron and the following components: manganese: less than 9.0 % by weight; chrome: less than 16 and a maximum of 22 % by weight; nitrogen: more than 0.30 and a maximum of 0.70 % by weight; carbon: more than 0.08 and a maximum of 0.30 % by weight and silicon: less than 2.0 % by weight. The invention also relates to the production and utilization of said steel.

IPC 1-7

C22C 38/38; **C22C 38/22**; **C22C 38/20**; **C22C 38/00**; **C22C 38/44**; **C22C 38/58**; **C22C 1/04**; **B22F 1/00**; **C21D 6/00**

IPC 8 full level

B22F 1/10 (2022.01); **B22F 1/103** (2022.01); **B22F 3/22** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/20** (2006.01); **C22C 38/22** (2006.01); **C22C 38/38** (2006.01); **C22C 38/44** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP US)

B22F 1/10 (2022.01 - EP US); **B22F 1/103** (2022.01 - EP US); **B22F 3/225** (2013.01 - EP US); **C22C 33/0285** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/20** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **C22C 38/58** (2013.01 - EP US); **B22F 2998/00** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US); **B22F 2999/00** (2013.01 - EP US)

Citation (search report)

See references of WO 0100897A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT

DOCDB simple family (publication)

WO 0100897 A1 20010104; AU 5072400 A 20010131; CN 1144894 C 20040407; CN 1373815 A 20021009; CN 1495281 A 20040512; EP 1194605 A1 20020410; JP 2003503595 A 20030128; JP 3798317 B2 20060719; US 6682582 B1 20040127

DOCDB simple family (application)

EP 0004823 W 20000526; AU 5072400 A 20000526; CN 00811711 A 20000526; CN 200310104494 A 20000526; EP 00935127 A 20000526; JP 2001506298 A 20000526; US 982701 A 20011217