

Title (en)

Stainless ferritic steel containing in particular aluminium and titanium.

Title (de)

Aluminium und Titan enthaltender, rostfreier, ferritischer Stahl.

Title (fr)

Acier inoxydable ferritique contenant notamment de l'aluminium et du titane.

Publication

EP 0399905 A1 19901128 (FR)

Application

EP 90401375 A 19900522

Priority

FR 8906656 A 19890522

Abstract (en)

A ferritic steel resistant to oxidising, carburising and sulphurising corrosive atmospheres preferably at elevated temperature, containing especially chromium, aluminium and titanium, characterised by the following chemical composition by weight: - 9 to 15% of chromium - 1.5 to 5% of aluminium, - 1 to 4% of titanium, - 0 to 2% of molybdenum, - less than 0.15% of carbon, the remainder being iron and residual impurities resulting from the melting of the substances needed for the production. The invention also relates to a process for the production of the steel in which a set of thermal treatments makes it possible, on the one hand, to separate off a controlled precipitation of a hardening phase and, on the other hand, to recrystallise the steel.

IPC 1-7

C21D 6/00; **C22C 38/28**

IPC 8 full level

C21D 6/00 (2006.01); **C22C 38/28** (2006.01)

CPC (source: EP)

C21D 6/002 (2013.01); **C22C 38/28** (2013.01)

Citation (search report)

- [X] GB 2070642 A 19810909 - FIRTH BROWN LTD
- [Y] FR 2165453 A5 19730803 - DEUTSCHE EDELSTAHLWERKE AG
- [Y] DE 2031495 A1 19710107
- [A] DE 1932147 A1 19700102 - ALLEGHENY LUDLUM STEEL
- [A] GB 2058133 A 19810408 - ARMCO INC

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0399905 A1 19901128; FR 2647122 A1 19901123

DOCDB simple family (application)

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