

Title (en)

Ferritic stainless steel and exterior cover part for a watch made with such a steel

Title (de)

Ferritischer rostfreier Stahl und Aussenteil für eine Uhr aus diesem Stahl

Title (fr)

Acier inoxydable ferritique et pièce extérieure d'habillement pour montre réalisée en un tel acier

Publication

EP 0964071 A1 19991215 (FR)

Application

EP 98110813 A 19980612

Priority

- EP 98110813 A 19980612
- CH 128098 A 19980612

Abstract (en)

The steel alloy obtained by a powder metallurgical process contains at least 0.4 wt.% N, at most 0.5 wt.% Ni, and the balance iron and unavoidable impurities. Preferably, the alloy contains 10-35 wt.% of chromium and/or molybdenum and 5-20 wt.% manganese. An Independent claim is given for an external piece of a watch and which is made from the above steel alloy.

IPC 1-7

C22C 38/00; **C22C 38/04**; **C22C 38/22**; **G04B 37/22**

IPC 8 full level

G04B 37/18 (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/08** (2006.01); **C22C 38/22** (2006.01); **C22C 38/38** (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP US)

C22C 33/02 (2013.01 - EP US); **C22C 33/0285** (2013.01 - EP US); **C22C 38/001** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/38** (2013.01 - EP US); **G04B 37/22** (2013.01 - EP US)

Citation (search report)

- [A] EP 0379061 A1 19900725 - EBAUCHESFABRIK ETA AG [CH]
- [A] EP 0640695 A1 19950301 - BOEHLER YBBSTALWERKE [AT]
- [AD] DE 19513407 C1 19961010 - VSG EN & SCHMIEDETECHNIK GMBH [DE]
- [A] US 4340432 A 19820720 - HEDE ALLAN
- [A] "Stahleisenliste - Registre des Aciers Européens", 1994, VERLAG STAHLEISEN MBH, DÜSSELDORF, ALLEMAGNE, XP002083066

Cited by

EP2728028A1

Designated contracting state (EPC)

CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

US 6093233 A 20000725; CN 1239153 A 19991222; EP 0964071 A1 19991215; JP 2000017403 A 20000118

DOCDB simple family (application)

US 32979399 A 19990610; CN 99109480 A 19990611; EP 98110813 A 19980612; JP 16226599 A 19990609