

Title (en)
FERRITIC STAINLESS STEEL ALLOY

Title (de)
FERRITISCHE NICHTROSTENDE STAHLLEGIERUNG

Title (fr)
ALLIAGE EN ACIER INOXYDABLE FERRITIQUE

Publication
EP 1774051 A1 20070418 (EN)

Application
EP 05752540 A 20050615

Priority
• SE 2005000914 W 20050615
• SE 0401686 A 20040630

Abstract (en)
[origin: WO2006004486A1] The application describes a lead-free ferritic stainless steel alloy having the following composition, all contents given in percent by weight: C < 0,1 Si = 2 Mn 0,1-2 S 0,08-0,4 Cr 16-25 Ni = 2 Mo 1-5 Cu 0,01-3,0 Ca = 0,006 Sn = 0,15 B = 0,02 X 0,01-0,5 and/or REM 0,01-1 the balance Fe as well as impurities, where X is 2*Te + 1 *Se + 1*Bi. The alloy has good machinability and good corrosion resistance, in comparison with the corresponding alloys containing lead.

IPC 8 full level
C22C 38/60 (2006.01)

IPC 8 main group level
C22C (2006.01)

CPC (source: EP KR SE US)
C22C 38/02 (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/42** (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US);
C22C 38/60 (2013.01 - EP KR SE US)

Cited by
CN107058906A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006004486 A1 20060112; CN 1977062 A 20070606; EP 1774051 A1 20070418; JP 2008505247 A 20080221;
KR 20070026683 A 20070308; SE 0401686 D0 20040630; SE 0401686 L 20051231; SE 528680 C2 20070123; US 2009053092 A1 20090226

DOCDB simple family (application)
SE 2005000914 W 20050615; CN 200580021991 A 20050615; EP 05752540 A 20050615; JP 2007519154 A 20050615;
KR 20067027682 A 20061228; SE 0401686 A 20040630; US 63114705 A 20050615