

Title (en)

NICKEL-BASED METALLIC ACID RESISTANT MATERIAL

Title (de)

METALLISCHER SÄUREBESTÄNDIGER WERKSTOFF AUF NICKELBASIS

Title (fr)

MATERIAU METALLIQUE A BASE DE NICKEL RESISTANT AUX ACIDES

Publication

EP 2459763 A1 20120606 (DE)

Application

EP 10752269 A 20100719

Priority

- DE 102009034856 A 20090727
- DE 2010000838 W 20100719

Abstract (en)

[origin: WO2011012109A1] A nickel-molybdenum-iron alloy with high corrosion resistance with respect to reducing media at high temperatures, consisting of (in % by mass): 61 to 63% nickel, 24 to 26% molybdenum, 10 to 14% iron, 0.20 to 0.40% niobium, 0.1 to 0.3% aluminium, 0.01 to 1.0% chromium, 0.1 to 1.0% manganese, at most 0.5% copper, at most 0.01% carbon, at most 0.1% silicon, at most 0.02% phosphorus, at most 0.01% sulphur, at most 1.0% cobalt, and further smelting-related impurities.

IPC 8 full level

C22C 19/05 (2006.01)

CPC (source: EP US)

C22C 19/051 (2013.01 - EP US); **C22C 19/057** (2013.01 - EP US)

Citation (search report)

See references of WO 2011012109A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

DE 102009034856 A1 20110203; **DE 102009034856 B4 20120419**; CN 102471834 A 20120523; CN 102471834 B 20131120; EP 2459763 A1 20120606; EP 2459763 B1 20130904; JP 2013500390 A 20130107; SI 2459763 T1 20140131; US 2012114520 A1 20120510; US 2015344995 A1 20151203; US 2017275737 A1 20170928; WO 2011012109 A1 20110203

DOCDB simple family (application)

DE 102009034856 A 20090727; CN 201080032294 A 20100719; DE 2010000838 W 20100719; EP 10752269 A 20100719; JP 2012521962 A 20100719; SI 201030446 T 20100719; US 201013382217 A 20100719; US 201514824219 A 20150812; US 201715618936 A 20170609