

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 B1 20130904 (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)

Designated contracting state (EPC)

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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

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