

Title (en)

A nickel-iron-base alloy and process of forming a nickel-iron-base alloy

Title (de)

Legierung auf Nickel-Eisen-Basis und Verfahren zur Herstellung einer Legierung auf Nickel-Eisen-Basis

Title (fr)

Alliage à base nickel-fer et procédé de formation d'un alliage à base de nickel-fer

Publication

**EP 2465959 A1 20120620 (EN)**

Application

**EP 11177831 A 20110817**

Priority

US 87087310 A 20100830

Abstract (en)

A nickel-iron-base alloy has by weight about 0.06 % to about 0.09 % C, about 35 % to about 37 % Fe, about 12.0 % to about 16.5 % Cr, about 1.0 % to about 2.0 % Al, about 1.0 % to about 3.0 % Ti, about 1.5 % to about 3.0 % W, up to about 5.0 % Mo, up to about 0.75 % Nb, up to about 0.2 % Mn, up to about 0.1 % Si, up to about 0.006 % B, and balance essentially Ni. A method for making the nickel-iron-base alloy is also disclosed.

IPC 8 full level

**C22C 19/05** (2006.01); **C22C 30/00** (2006.01)

CPC (source: EP KR US)

**C22C 19/05** (2013.01 - KR); **C22C 19/056** (2013.01 - EP US); **C22C 30/00** (2013.01 - EP US)

Citation (search report)

[X] DE 1232758 B 19670119 - CRUCIBLE STEEL CO AMERICA, et al

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EP2617846A3

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**US 2012051963 A1 20120301**; CN 102383024 A 20120321; CN 102383024 B 20160120; EP 2465959 A1 20120620; JP 2012046823 A 20120308; JP 5791998 B2 20151007; KR 20120021214 A 20120308; RU 2011135629 A 20130310

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**US 87087310 A 20100830**; CN 201110270202 A 20110830; EP 11177831 A 20110817; JP 2011184201 A 20110826; KR 20110085087 A 20110825; RU 2011135629 A 20110829