

Title (en)
IRON-NICKEL-COBALT ALLOY

Title (de)
EISEN-NICKEL-KOBALT-LEGIERUNG

Title (fr)
ALLIAGE FER-NICKEL-COBALT

Publication
EP 1979502 A1 20081015 (DE)

Application
EP 07721865 A 20070126

Priority
• DE 2007000142 W 20070126
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Abstract (en)
[origin: WO2007087786A1] Use of an iron-nickel-cobalt alloy in CFC mould construction comprising (in % by mass) Ni from 30 to 35%, Co from 3 to 6%, Al from 0.001 to 0.1%, Mn from 0.005 to 0.5%, Si from 0.005 to 0.5%, C max. 0.1%, balance Fe and constituents resulting from production, with the alloy having a mean coefficient of thermal expansion in the temperature range from 20 to 200°C of < 2.0 OE10⁻⁶/K.

IPC 8 full level
C22C 38/02 (2006.01); **C22C 38/04** (2006.01); **C22C 38/06** (2006.01); **C22C 38/08** (2006.01); **C22C 38/10** (2006.01)

CPC (source: EP ES GB US)
C22C 38/02 (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/08** (2013.01 - EP ES US); **C22C 38/10** (2013.01 - ES); **C22C 38/105** (2013.01 - EP GB US); **C22C 38/12** (2013.01 - GB)

Designated contracting state (EPC)
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