

Title (en)
IRON-NICKEL-CHROMIUM-SILICON ALLOY

Title (de)
EISEN-NICKEL-CHROM-SILIZIUM-LEGIERUNG

Title (fr)
ALLIAGE FER-NICKEL-CHROME-SILICIUM

Publication
EP 2162558 A1 20100317 (DE)

Application
EP 08773262 A 20080612

Priority
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Abstract (en)
[origin: CA2690637A1] The invention relates to an iron-nickel-chromium-silicon alloy comprising (in wt.-%) 19 to 34% or 42 to 87% nickel, 12 to 26% chromium, 0.75 to 2.5% silicon, and additives of 0.05% to 1% Al, 0.01 to 1% Mn, 0.01 to 0.26% lanthanum, 0.0005 to 0.05% magnesium, 0.04 to 0.14% carbon, 0.02 to 0.14% nitrogen, and further comprising 0.0005 to 0.07% Ca, 0.002 to 0.020% P, a maximum of 0.01% sulfur, a maximum of 0.005% B, the remainder comprising iron and the usual process-related impurities

IPC 8 full level
C22C 19/05 (2006.01); **C22C 38/08** (2006.01)

CPC (source: EP KR US)
C22C 19/05 (2013.01 - EP KR US); **C22C 19/058** (2013.01 - US); **C22C 38/001** (2013.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/08** (2013.01 - KR); **C22C 38/40** (2013.01 - EP US); **H05B 3/12** (2013.01 - US)

Citation (search report)
See references of WO 2009000230A1

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