

Title (en)  
IRON-CHROME-ALUMINUM ALLOY

Title (de)  
EISEN-CHROM-ALUMINIUM-LEGIERUNG

Title (fr)  
ALLIAGE FER-CHROME-ALUMINIUM

Publication  
**EP 1740733 B1 20090225 (DE)**

Application  
**EP 05746889 A 20050423**

Priority

- DE 2005000748 W 20050423
- DE 102004020900 A 20040428
- DE 102005016722 A 20050411

Abstract (en)  
[origin: WO2005106061A2] The invention relates to an iron-chrome-aluminum alloy with a high service life, comprising (in mass %) 4 to 8 % Al and 16 to 24 % Cr and other added materials, 0.05 to 1 % Si, 0.001 to 0.5 % Mn, 0.02 to 0.2 % Y, 0.1 to 0.3 % Zr and/or 0.02 to 0.2 % Hf, 0.003 to 0.05 % C, 0.0002 to 0.05 % Mg, 0.0002 to 0.05 % Ca, max. 0.04 % N, max. 0.04 % P, max. 0.01 % S, max. 0.5 % Cu and the usual melting-related impurities, the remainder being iron.

IPC 8 full level  
**C22C 38/18** (2006.01)

CPC (source: EP KR US)  
**B01J 35/56** (2024.01 - EP US); **C22C 38/002** (2013.01 - EP US); **C22C 38/005** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/04** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/14** (2013.01 - EP US); **C22C 38/18** (2013.01 - KR); **F01N 3/2807** (2013.01 - EP US); **F01N 13/16** (2013.01 - EP US); **F01N 2370/02** (2013.01 - EP US)

Cited by  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

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HR

DOCDB simple family (publication)  
**WO 2005106061 A2 20051110; WO 2005106061 A3 20061207; WO 2005106061 A8 20070531; WO 2005106061 B1 20070726;**  
AT E423858 T1 20090315; BR PI0510484 A 20071106; CA 2564651 A1 20051110; DE 102005016722 A1 20060209;  
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