

Title (en)

USE OF AN IRON-CHROMIUM-ALUMINIUM ALLOY WITH LONG SERVICE LIFE AND MINOR CHANGES IN HEAT RESISTANCE

Title (de)

VERWENDUNG EINER EISEN-CHROM-ALUMINIUM-LEGIERUNG MIT HOHER LEBENSDAUER UND GERINGEN ÄNDERUNGEN IM WARMWIDERSTAND

Title (fr)

UTILISATION D'UN ALLIAGE FER-CHROME-ALUMINIUM AYANT UNE DURÉE DE VIE ÉLEVÉE ET DES VARIATIONS FAIBLES DE RÉSISTANCE À LA CHALEUR

Publication

**EP 2127472 A2 20091202 (DE)**

Application

**EP 08706758 A 20080115**

Priority

- DE 2008000061 W 20080115
- DE 102007005154 A 20070129

Abstract (en)

[origin: DE102007005154A1] Use of iron-chromium-aluminum alloys in 0.020 -0.300 mm thick foils for heating elements is new, where the alloys have the composition (wt%): aluminum 4.5 - 6.5; chromium 16 -14; silicon 0.05 - 0.7; manganese 0.001 - 0.5; yttrium 0.02 - 0.1; zirconium 0.02 - 0.1; hafnium 0.02 - 0.1; carbon 0.003 - 0.20; N 0.03 max; S 0.01 max; S 0.01 max; Cu 0.5 max, the remainder being iron.

IPC 8 full level

**H05B 3/12** (2006.01); **C22C 38/28** (2006.01)

CPC (source: 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 38/28** (2013.01 - EP US); **H05B 3/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2008092420A2

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