

Title (en)  
High temperature alloy

Title (de)  
Hochtemperaturlegierung

Title (fr)  
Alliage résistant aux températures élevées

Publication  
**EP 2031080 B1 20120627 (DE)**

Application  
**EP 08163031 A 20080827**

Priority  
CH 13552007 A 20070830

Abstract (en)  
[origin: EP2031080A1] Iron-based high temperature alloy contains (in wt.%) 20 chromium, 4-8 aluminum, 0.-0.2 zirconium, 0.02-0.05 boron, 0.1-0.2 yttrium, 0-0.5 silicon and a balance of iron. An independent claim is also included for a method for the production of the high temperature alloy comprising melting the alloying elements and rolling at 900-800[deg] C.

IPC 8 full level  
**C22C 38/00** (2006.01); **C21D 8/02** (2006.01); **C22C 38/22** (2006.01); **C22C 38/26** (2006.01); **C22C 38/28** (2006.01); **C22C 38/32** (2006.01); **G01K 1/08** (2006.01)

CPC (source: EP US)  
**C22C 38/005** (2013.01 - EP US); **C22C 38/02** (2013.01 - EP US); **C22C 38/06** (2013.01 - EP US); **C22C 38/22** (2013.01 - EP US); **C22C 38/26** (2013.01 - EP US); **C22C 38/28** (2013.01 - EP US); **C22C 38/32** (2013.01 - EP US)

Designated contracting state (EPC)  
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**EP 2031080 A1 20090304**; **EP 2031080 B1 20120627**; CA 2639255 A1 20090228; CA 2639255 C 20160816; CN 101476084 A 20090708; CN 101476084 B 20131023; JP 2009057633 A 20090319; JP 5574588 B2 20140820; US 2009060774 A1 20090305; US 8435443 B2 20130507

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**EP 08163031 A 20080827**; CA 2639255 A 20080829; CN 200810191137 A 20080829; JP 2008220844 A 20080829; US 19987708 A 20080828