

Title (en)

GRAPHITE AND NITROGEN-FREE CAST ALLOYS

Title (de)

GRAPHITFREIE UND STICKSTOFFFREIE GUSSWERKSTOFFE

Title (fr)

ALLIAGES COULES EXEMPTS DE GRAPHITE ET D'AZOTE

Publication

**EP 1546416 A1 20050629 (EN)**

Application

**EP 03747746 A 20030918**

Priority

- BE 0300154 W 20030918
- US 41466202 P 20021001

Abstract (en)

[origin: US2004060622A1] The present invention is related to an air melted, substantially graphite and nitrogen-free alloy, aged or not aged by precipitation hardening, specially adapted for gas turbine or internal combustion engine exhaust system parts, comprising a graphite-free microstructure of the following composition:

IPC 1-7

**C21D 6/02; C21D 6/00; C22C 38/58; C22C 38/34**

IPC 8 full level

**C21D 6/00 (2006.01); C22C 38/00 (2006.01); C22C 38/34 (2006.01); C22C 38/58 (2006.01); F01N 13/16 (2010.01); C21D 1/02 (2006.01); C21D 6/02 (2006.01)**

CPC (source: EP KR US)

**C21D 6/00 (2013.01 - KR); C21D 6/001 (2013.01 - EP US); C21D 6/02 (2013.01 - KR); C22C 38/002 (2013.01 - EP US); C22C 38/34 (2013.01 - EP KR US); C22C 38/58 (2013.01 - EP KR US); C21D 1/02 (2013.01 - EP US); C21D 6/02 (2013.01 - EP US); C21D 2211/004 (2013.01 - EP US)**

Citation (search report)

See references of WO 2004031419A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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