

Title (en)

CAST IRON ALLOY AND EXHAUST COMPONENT MANUFACTURED THEREBY

Title (de)

GUSSEISENLEGIERUNG UND DARAUS HERGESTELLTES ENTLÜFTUNGSBAUTEIL

Title (fr)

ALLIAGE DE FER FONDU ET COMPOSANT D'ÉCHAPPEMENT FABRIQUÉ DE CETTE MANIÈRE

Publication

**EP 2694693 A4 20141231 (EN)**

Application

**EP 12763426 A 20120321**

Priority

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- SE 1250101 A 20120210
- SE 2012050307 W 20120321

Abstract (en)

[origin: WO2012134372A1] The invention relates to a cast-iron alloy comprising (in wt%) C: 3.0-3.5 Si: 4.1 -4.8 Mn: = 0.4 Mg: 0.02-0.08 Cr: 0.4-1.0 Cu: =0.15 Mo: 0.8-1.2 P: < 0.05 S: < 0.015 the remainder comprising Fe and any impurities. The invention relates also to an exhaust-conducting component for truck engines which comprises the alloy according to the invention.

IPC 8 full level

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CPC (source: EP KR SE US)

**C22C 37/04** (2013.01 - EP KR SE US); **C22C 37/06** (2013.01 - EP US); **C22C 37/10** (2013.01 - EP US); **F01N 13/10** (2013.01 - EP US); **F01N 13/16** (2013.01 - EP US)

Citation (search report)

- [X] WO 2010097673 A1 20100902 - TOYOTA MOTOR CO LTD [JP], et al
- [X] JP H0987796 A 19970331 - HITACHI METALS LTD, et al
- [A] EP 0076701 A2 19830413 - NISSAN MOTOR [JP]
- [A] KR 20080042417 A 20080515 - DOOSAN INFRACORE CO LTD [KR]
- See references of WO 2012134372A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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**SE 2012050307 W 20120321**; BR 112013025189 A 20120321; CN 201280020981 A 20120321; EP 12763426 A 20120321; JP 2014502509 A 20120321; KR 20137028980 A 20120321; RU 2013146660 A 20120321; SE 1250101 A 20120210; US 201214009248 A 20120321