

Title (en)
AUSTENITIC CAST IRON, PROCESS FOR MANUFACTURING THE SAME, AUSTENITIC CAST IRON CASTINGS, AND EXHAUST SYSTEM PARTS

Title (de)
AUSTENITISCHES GUSSEISEN, HERSTELLUNGSVERFAHREN DAFÜR, GEHÄUSE AUS AUSTENITISCHEM GUSSEISEN UND ABGASSYSTEMTEILE

Title (fr)
FONTE AUSTÉNITIQUE, SON PROCÉDÉ DE FABRICATION, PIÈCES MOULÉES EN FONTE AUSTÉNITIQUE, ET PIÈCES DE SYSTÈME D'ÉCHAPPEMENT

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Application
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- JP 2008116431 A 20080425

Abstract (en)
[origin: EP2184372A1] An austenitic cast iron according to the present invention has Ni: from 7 to 15% by mass, and is characterized in that it comprises a base structure in which an austenite phase makes a major phase even in ordinary-temperature region by adjusting the respective compositions of Cr, Ni and Cu, excepting C and Si, so as to fall within predetermined ranges. In accordance with the present invention, it is possible to obtain an austenitic cast iron, which is excellent in terms of oxidation resistance and the like, inexpensively, while reducing the content of expensive Ni.

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Citation (search report)

- [XAI] GB 801698 A 19580917 - CIE DE PONT A MOUSSON
- [X] DE 2646276 A1 19780420 - GOETZEWERKE
- [A] CN 85100066 A 19860709
- See references of WO 2009028736A1

Cited by
RU2625191C1; RU2657957C1; EP2573199A4; RU2624543C1; US9567657B2

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