

Title (en)

High heat-resisting iron-base alloy

Title (de)

Hitzebeständige Legierung auf Eisen-Basis

Title (fr)

Alliage à base de fer résistant à la chaleur

Publication

EP 0695811 A1 19960207 (EN)

Application

EP 95305233 A 19950726

Priority

- JP 18463694 A 19940805
- JP 20507895 A 19950720

Abstract (en)

A high heat-resisting iron-base alloy characterized by having a composition which is represented by the general formula: $\text{Fe}_x\text{Al}_y\text{C}_z$, wherein y and z are, in terms of atomic %, $1\% \leq y(\text{at.}\%) \leq 28\%$ and $0\% < z(\text{at.}\%) \leq 24\%$, respectively, with x constituting the balance, and falls within the area formed by connecting points A, B, C, and D shown in Fig. 1. <MATH>

IPC 1-7

C22C 37/10

IPC 8 full level

C21C 1/10 (2006.01); **C22C 37/10** (2006.01); **C22C 38/00** (2006.01); **C22C 38/06** (2006.01); **C22C 38/58** (2006.01)

CPC (source: EP)

C22C 37/10 (2013.01)

Citation (applicant)

- JP H03226547 A 19911007 - TOYOTA MOTOR CORP
- JP S5658950 A 19810522 - KUBOTA LTD
- JP S57126949 A 19820806 - KAJITA TSUNEHIRO, et al
- JP S57203750 A 19821214 - NIPPON ELECTRIC CO
- JP S62270452 A 19871124 - NIPPON STEEL CORP
- JP H0625800 A 19940201 - DAIDO STEEL CO LTD
- "Tokushu Chutetsu (Special Cast Iron)", 1960, NIKKAN KOGYO SHIMBUN, LTD.

Citation (search report)

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- [X] GB 2186886 A 19870826 - NIPPON STEEL CORP
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 117 (C - 487) 13 April 1988 (1988-04-13)
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 353 (C - 530) 21 September 1988 (1988-09-21)
- [X] PATENT ABSTRACTS OF JAPAN vol. 006, no. 006 (E - 089) 14 January 1982 (1982-01-14)
- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 053 (C - 154) 3 March 1983 (1983-03-03)

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