

Title (en)

AMORPHOUS METAL ALLOYS HAVING ENHANCED AC MAGNETIC PROPERTIES AT ELEVATED TEMPERATURES

Publication

**EP 0177669 A3 19870422 (EN)**

Application

**EP 85105338 A 19850502**

Priority

- US 61311884 A 19840523
- US 64114584 A 19840816

Abstract (en)

[origin: EP0177669A2] An amorphous metal alloy which is at least 90% amorphous having enhanced magnetic properties at elevated temperatures and consisting essentially of a composition having the formula  $\text{Fe}_a\text{Si}_b\text{B}_c$  wherein "a", "b" and "c" are atomic percentages ranging from about 79.4 to 79.8, 6 to 8 and 12 to 14, respectively, with the proviso that the sum of "a", "b" and "c" equals 100.

IPC 1-7

**C22C 38/00**; **H01F 1/16**

IPC 8 full level

**B22D 11/06** (2006.01); **C21D 6/00** (2006.01); **C22C 38/02** (2006.01); **C22C 45/02** (2006.01); **H01F 1/14** (2006.01); **H01F 1/153** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP)

**C22C 45/02** (2013.01); **H01F 1/15308** (2013.01)

Citation (search report)

- [Y] US 4217135 A 19800812 - LUBORSKY FRED E [US], et al
- [YD] EP 0095831 A2 19831207 - ALLEGHENY LUDLUM STEEL [US]
- [AD] EP 0060660 A1 19820922 - NIPPON STEEL CORP [JP]
- [AD] EP 0058269 A1 19820825 - ALLEGHENY LUDLUM STEEL [US]

Cited by

EP0808078A1; US5496418A; WO9833945A1; WO9112617A1

Designated contracting state (EPC)

DE FR GB

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**EP 0177669 A2 19860416**; **EP 0177669 A3 19870422**; **EP 0177669 B1 19920304**; DE 3585484 D1 19920409; JP H0545662 B2 19930709; JP S61558 A 19860106

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