

Title (en)

Amorphous metals and articles made thereof.

Title (de)

Amorphe Legierungen und daraus hergestellte Gegenstände.

Title (fr)

Alliages amorphes et produits fabriqués avec ces alliages.

Publication

**EP 0095831 A2 19831207 (EN)**

Application

**EP 83301712 A 19830328**

Priority

US 38282482 A 19820527

Abstract (en)

An amorphous Fe-B-Si alloy and article made therefrom is provided having improved castability while maintaining good magnetic properties, ductility and improved thermal stability. The alloy consists of 73-80% Fe, 4-10% B and 14-17% Si, in atomic percentages, and no more than incidental impurities. A method of casting an amorphous strip material from the alloy is also provided.

IPC 1-7

**C22C 38/00**; **C22C 38/02**; **B22D 11/06**; **H01F 1/14**

IPC 8 full level

**H01F 1/153** (2006.01); **C22C 45/02** (2006.01); **H01F 1/16** (2006.01)

CPC (source: EP KR)

**C22C 38/02** (2013.01 - KR); **C22C 45/02** (2013.01 - EP)

Cited by

CN106636984A; EP0177669A3; CN106702291A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0095831 A2 19831207**; **EP 0095831 A3 19840627**; AU 9179282 A 19831201; BR 8207585 A 19840417; CA 1195863 A 19851029; ES 520109 A0 19841001; ES 8500340 A1 19841001; JP S58210150 A 19831207; KR 840003296 A 19840820; NO 830120 L 19831128; PL 242230 A1 19840213; RO 86181 A 19850315; RO 86181 B 19850331

DOCDB simple family (application)

**EP 83301712 A 19830328**; AU 9179282 A 19821222; BR 8207585 A 19821230; CA 418955 A 19830105; ES 520109 A 19830225; JP 2544483 A 19830217; KR 830000125 A 19830114; NO 830120 A 19830114; PL 24223083 A 19830527; RO 10962783 A 19830106