

Title (en)

AMORPHOUS METAL CONTAINING IRON FAMILY ELEMENT AND ZIRCONIUM, AND ARTICLES OBTAINED THEREFROM

Publication

**EP 0026237 B1 19860716 (EN)**

Application

**EP 80900728 A 19801023**

Priority

JP 4384879 A 19790411

Abstract (en)

[origin: EP0026237A1] A metal-metal-type amorphous alloy having a fundamental composition represented by  $XaZc$  (wherein X represents one two or more of Fe, Co, and Ni, a represents 80-92 atom %, Z represents Zr, and c represents 8-20 atom %, with the sum of a and c being 100 atom %) and containing Zr as a metal for making the alloy amorphous, and articles manufactured from the alloy. As compared to metal-semimetal type amorphous alloys, this alloy undergoes less change with time or undergoes less embrittlement due to the essentially metal-metal-type properties of this alloy and, in addition, is excellent in strength, hardness, corrosion resistance, heat resistance etc., while retaining the magnetic properties of iron.

IPC 1-7

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IPC 8 full level

**B23K 9/32** (2006.01); **B23K 9/10** (2006.01); **C22C 45/00** (2006.01)

CPC (source: EP)

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Cited by

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