

Title (en)

IRON-SILICON ALLOY POWDER MAGNETIC CORES AND METHOD OF MANUFACTURING THE SAME

Publication

**EP 0383035 A3 19910703 (EN)**

Application

**EP 90100930 A 19900117**

Priority

- JP 785389 A 19890118
- JP 33589989 A 19891225

Abstract (en)

[origin: EP0383035A2] An Fe-Si alloy powder magnetic core comprises an alloy powder of an average particle diameter of 10-100  $\mu$ m, produced by water atomization, in which the composition by weight of the alloy powder is 2-12% silicon and 0.05-0.95% oxygen with the balance being essentially iron. The process of manufacturing the powder magnetic core is also disclosed.

IPC 1-7

**H01F 1/20**; **H01F 1/26**

IPC 8 full level

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CPC (source: EP)

**H01F 1/14766** (2013.01); **H01F 1/24** (2013.01); **H01F 41/0246** (2013.01)

Citation (search report)

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- [A] EP 0135980 A1 19850403 - CRUCIBLE MATERIALS CORP [US]
- [A] EP 0087781 A1 19830907 - TOSHIBA KK [JP]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 9, no. 212 (E-339) 29 August 1985, & JP-A-60 074602 (NIHON FERRITE KK) 26 April 1985,
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 212 (E-339) 29 August 1985, & JP-A-60 074603 (NIHON FERRITE KK) 26 April 1985,

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