

Title (en)

SOFT MAGNETIC ALLOY OPTIMIZED FOR METAL INJECTION MOLDING

Title (de)

FÜR DEN METALLSPRITZGUSS OPTIMIERTE WEICHMAGNETISCHE LEGIERUNG

Title (fr)

ALLIAGE MAGNÉTIQUE DOUX OPTIMISÉ POUR UN MOULAGE PAR INJECTION DE MÉTAL

Publication

**EP 3628423 B1 20230628 (EN)**

Application

**EP 19192779 A 20190821**

Priority

- US 201862738507 P 20180928
- US 201916273761 A 20190212

Abstract (en)

[origin: EP3628423A1] A component for an electronic device can include a metal alloy formed by a metal injection molding process. The metal alloy can have a composition of about 32 wt% to about 38 wt% cobalt and about 62 wt% to about 68 wt% iron.

IPC 8 full level

**B22F 3/22** (2006.01); **C22C 1/08** (2006.01); **C22C 38/10** (2006.01); **H03F 1/32** (2006.01)

CPC (source: CN EP)

**B22F 3/225** (2013.01 - EP); **C22C 33/0285** (2013.01 - EP); **C22C 38/10** (2013.01 - EP); **H01F 1/14** (2013.01 - CN); **H01F 1/22** (2013.01 - CN EP); **H01F 3/08** (2013.01 - EP); **H01F 41/02** (2013.01 - CN); **B22F 3/11** (2013.01 - EP); **B22F 2999/00** (2013.01 - EP); **C22C 2202/02** (2013.01 - EP)

Citation (examination)

HAJIME ASANO ET AL: "Order-Disorder Transformation of Fe-Co Alloys in Fine Particles", TRANSACTIONS OF THE JAPAN INSTITUTE OF METALS., vol. 8, no. 3, 1 January 1967 (1967-01-01), JP, pages 180 - 184, XP055771761, ISSN: 0021-4434, DOI: 10.2320/matertrans1960.8.180

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