

Title (en)

SOFT MAGNETIC ALLOY AND METHOD FOR PRODUCING A SOFT MAGNETIC ALLOY

Title (de)

WEICHMAGNETISCHE LEGIERUNG UND VERFAHREN ZUM HERSTELLEN EINER WEICHMAGNETISCHEN LEGIERUNG

Title (fr)

ALLIAGE MAGNÉTIQUE DOUX ET PROCÉDÉ DE FABRICATION D'UN ALLIAGE MAGNÉTIQUE DOUX

Publication

EP 4027358 B1 20230927 (DE)

Application

EP 21215751 A 20211217

Priority

DE 102020134301 A 20201218

Abstract (en)

[origin: US2022195568A1] A soft magnetic alloy comprising 2 wt %≤Co≤30 wt %, 0.3 wt %≤V≤5.0 wt % and iron is provided. The soft magnetic alloy has a area proportion of a {111}<uvw> texture of no more than 13%, preferably no more than 6%, including grains with a tilt of up to +/−10°, or preferably of up to +/−15°, when compared to the nominal crystal orientation.

IPC 8 full level

H01F 1/18 (2006.01); **C21D 8/12** (2006.01); **C22C 19/07** (2006.01); **C22C 38/12** (2006.01)

CPC (source: EP US)

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