

Title (en)

Permanently magnetizable alloys, magnetic materials and permanent magnets comprising FeBR or (Fe,Co)BR (R=rare earth).

Title (de)

Permanent magnetisierbare Legierungen, magnetische Materialien und Dauermagnete die FeBR oder (Fe,Co)BR (R=seltene Erden) enthalten.

Title (fr)

alliages magnétisables permanentement, matériaux magnétiques et aimant permanent contenant FeBR ou (Fe,Co)BR (R=terre rare).

Publication

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Application

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Priority

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- JP 3789783 A 19830308
- JP 3789983 A 19830308
- JP 8485883 A 19830514
- JP 8486083 A 19830514
- JP 9487683 A 19830531
- JP 16666382 A 19820927

Abstract (en)

Magnetic materials comprising Fe, B, R (rare earth elements) and Co having a major phase of Fe-Co-B-R intermetallic compound(s) of tetragonal system, and sintered anisotropic permanent magnets consisting essentially of, by atomic percent, 8-30% R (at least one of rare earth elements inclusive of Y), 2-28% B, no less than 50% Co, and the balance being Fe with impurities. Those may contain additional elements M (Ti, Ni, Bi, V, Nb, Ta, Cr, Mo, W, Mn, Al, Sb, Ge, Sn, Zr, Hf) providing Fe-Co-B-R-M type materials and magnets.

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IPC 8 full level

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CPC (source: EP)

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Cited by

US5049208A; US4959273A; US5292380A; US4747874A; EP0196123A1; US4897130A; US4985085A; EP0286324A1; US4892596A; DE3626406A1; US4765848A; USRE38042E; US5529854A; US4773950A; US5000796A; EP0208807A1; US4840684A; US4898625A; US5011552A; USRE34838E; US4878958A; US4588439A; US4826546A; US5110377A; US4942098A; US4968529A; US6136099A; US4933009A; US5460662A; US5022939A; US4954186A; EP0184722A1; US4767450A; US4770723A; EP0216254A1; US4859254A; US4952252A; US5100741A; US4792368A; AU608309B2; US5478411A; EP0338597A3; US5041171A; US4902360A; US4664724A; US4793874A; US4878964A; USRE38021E; US6296720B1; US7485193B2; US5015304A; US5076861A; US4983232A; US4814139A; US5041172A; EP0197712A1; US5071493A; US4859255A; CN103668007A; US6833036B2; US5449417A; US5000800A; US5538565A; US5560784A; US5597425A; US5186761A; US5565043A; US4935075A; EP1014392A3; US6955729B2; US5201963A; DE3928389A1; DE4026796A1; EP0237416A1; US4769063A; EP0239031A1; US4921553A; US4952239A; US5085715A; EP0125347A3; US4767474A; WO9202027A1; WO8908318A1; EP0386286B1; EP0144112B1; WO2021063479A1; EP0175214B1

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