

12 **EUROPEAN PATENT APPLICATION**

21 Application number: **83113252.7**

51 Int. Cl.⁴: **H 01 F 1/08**

22 Date of filing: **30.12.83**

30 Priority: **06.05.83 JP 79096/83**
06.05.83 JP 79098/83

71 Applicant: **SUMITOMO SPECIAL METALS CO., LTD., 22, Kitahama 5-chome Higashi-ku, Osaka-shi Osaka 541 (JP)**

43 Date of publication of application: **14.11.84**
Bulletin 84/46

72 Inventor: **Fujimura, Setsuo Hanazonodanchi 14-106, Hanazono Takatsukasa-cho 1-ban, Ukyo-ku Kyoto (JP)**
Inventor: **Sagawa, Masato, 5-7 Imazato Sannotsubo, Nagaokakyo-shi Kyoto-fu (JP)**
Inventor: **Matsuura, Yutaka, 22-7, Sho 1-chome, Ibaraki-shi Osaka-fu (JP)**

84 Designated Contracting States: **BE CH DE FR GB IT LI NL SE**

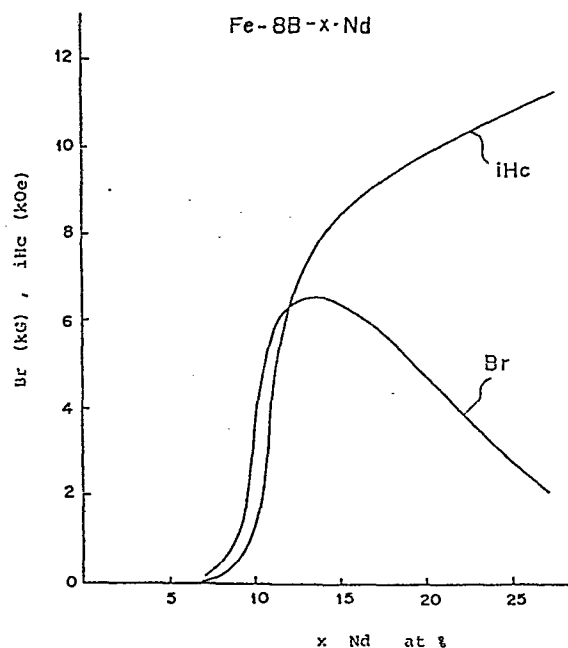
88 Date of deferred publication of search report: **10.09.86 Bulletin 86/37**

74 Representative: **Diehl, Hermann O. Th., Dr., Flüggenstrasse 17, D-8000 München 19 (DE)**

54 **Isotropic permanent magnets and process for producing same.**

57 Isotropic permanent magnet formed of a sintered body having a mean crystal grain size of 1-160 microns and a major phase of tetragonal system comprising, in atomic percent, 10-25% of R wherein R represents at least one of rare-earth elements including Y, 3-23% of B and the balance being Fe. As additional elements M, Al, Ti, V, Cr, Mn, Zr, Hf, Nb, Ta, Mo, Ge, Sb, Sn, Bi, Ni or W may be incorporated.

The magnets can be produced through a powder metallurgical process resulting in high magnetic properties, e.g., up to 7 MGOe or higher energy product.





European Patent
Office

EUROPEAN SEARCH REPORT

0124655

Application number

EP 83 11 3252

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
E	EP-A-0 101 552 (SUMITOMO SPECIAL METALS CO., LTD.) * Claims 1-3; page 12, lines 11-19; page 16, lines 18-27; page 62, line 5 - page 64, line 10 * ---	1-4,7- 10,13- 23,28- 31	H 01 F 1/08
A	IEEE TRANSACTIONS ON MAGNETICS, vol. MAG-18, no. 6, November 1982, pages 1448-1450, IEEE, New York, US; N.C. KOON et al.: "Composition dependence of the coercive force and microstructure of crystallized amorphous (FexB1-x)0.9Tb0.05La0.06 alloys" * Abstract *		
E	EP-A-0 126 179 (SUMITOMO SPECIAL METALS CO., LTD.) * Claims 1,3 * -----	1-4,7- 10,13- 23,28- 31	TECHNICAL FIELDS SEARCHED (Int. Cl. 3) H 01 F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-06-1986	Examiner VITZTHUM N.A.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
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& : member of the same patent family, corresponding document