



(12) **EUROPEAN PATENT APPLICATION**

(21) Application number : **91300981.7**

(51) Int. Cl.⁵ : **H01F 1/053**

(22) Date of filing : **06.02.91**

(30) Priority : **09.02.90 JP 30844/90**
14.08.90 JP 215366/90

(43) Date of publication of application :
14.08.91 Bulletin 91/33

(84) Designated Contracting States :
DE FR GB

(88) Date of deferred publication of search report :
20.05.92 Bulletin 92/21

(71) Applicant : **MATSUSHITA ELECTRIC**
INDUSTRIAL CO., LTD.
1006, Oaza Kadoma
Kadoma-shi, Osaka-fu, 571 (JP)

(72) Inventor : **Furuyama, Shizuo**
4-11-18 Hoshida Yamate
Katano-shi, Osaka 576 (JP)
Inventor : **Kojima, Kiyoshi**
4-5-17 Mayumi Ikoma-shi
Nara Prefecture 630-01 (JP)

(74) Representative : **Wain, Christopher Paul et al**
A.A. THORNTON & CO. Northumberland
House 303-306 High Holborn
London WC1V 7LE (GB)

(54) **Anisotropic neodymium-iron-boron system plastic bonded magnet.**

(57) A plastic bonded magnet comprising anisotropic neodymium-iron-boron magnetic powder in a resin binder has from 10 to 20 weight % of the powder in the size range 10 to 49 μm (microns).



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 91 30 0981

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.5)
A	EP-A-0 155 082 (GENERAL MOTORS CORP.) * page 10, line 25 - line 30 * * page 20, line 14 - line 18 * ---	1,2,4	H01F1/053
A	EP-A-0 281 295 (IMPERIAL CHEMICAL IND.) * page 8, line 19 - line 29; claims 1,2,27,32,38,39,42,47; example 5 * ---	1-4	
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 581 (E-865)(3929) 21 December 1989 & JP-1 245 502 (SEIKO EPSON CORP.) 29 September 1989 * abstract * ---	1-3	
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 235 (E-766)(3583) 30 May 1989 & JP-1 041 201 (TDK CORP.) 13 February 1989 * abstract * -----	1,2	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H01F
Place of search THE HAGUE		Date of completion of the search 26 MARCH 1992	Examiner DECANNIERE L.
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 P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 01.92 (P0001)