

Title (en)  
PERMANENT MAGNET COMPOSITION

Publication  
**EP 0372948 A3 19910529 (EN)**

Application  
**EP 89312748 A 19891207**

Priority  
JP 30872088 A 19881208

Abstract (en)  
[origin: EP0372948A2] An improved permanent magnet oomposition comprising 22 to 28 wt% R, 5 to 16% iron, 0.2 to 6.5 wt% copper, 0.1 to 6 wt% manganese, 0.5 to 6 wt% A, 0.1 to 2 wt% B and the balance cobalt, in which R is at least one of rare earth elements including yttrium, A is at least one of zince and zirconium and B is at least one element selected from the group of aluminum, bismath and thallium.

IPC 1-7  
**H01F 1/053**

IPC 8 full level  
**C22C 19/07** (2006.01); **C22C 38/00** (2006.01); **C22C 38/16** (2006.01); **H01F 1/053** (2006.01); **H01F 1/055** (2006.01); **H01F 1/057** (2006.01)

CPC (source: EP)  
**H01F 1/053** (2013.01); **H01F 1/055** (2013.01); **H01F 1/0577** (2013.01)

Citation (search report)  
• [A] US 4497672 A 19850205 - TAWARA YOSHIO [JP], et al  
• [X] CHEMICAL ABSTRACTS, vol. 93, no. 11, December 1980 Columbus, Ohio, USA S.Seikosha Co.: "Permanent magnet material" page 681; column 1; ref. no. 214498N  
• [X] PATENT ABSTRACTS OF JAPAN vol. 8, no. 25 (E-225)(1462) 2 February 1984, & JP-A-58 186906 (TOKYO SHIBAURA DENKI K.K.) 1 November 1983,  
• [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 103 (E-64)(775) 3 July 1981, & JP-A-56 46508 (SUWA SEIKOSHA K.K.) 27 April 1981,

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**EP 0372948 A2 19900613; EP 0372948 A3 19910529; EP 0372948 B1 19940629;** DE 68916522 D1 19940804; DE 68916522 T2 19941013; JP H02156051 A 19900615; JP H0524219 B2 19930407

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