

Title (en)  
ELECTROMAGNET SYSTEM AND METHOD OF MANUFACTURING SUCH A SYSTEM

Title (de)  
ELEKTROMAGNETSYSTEM UND VERFAHREN ZUM HERSTELLEN EINES SOLCHEN SYSTEMS

Title (fr)  
SYSTEME D'ELECTRO-AIMANT ET PROCEDE POUR FABRIQUER UN TEL SYSTEME

Publication  
**EP 0990246 B1 20020828 (DE)**

Application  
**EP 98934755 A 19980520**

Priority  
• DE 9801386 W 19980520  
• DE 19726055 A 19970619

Abstract (en)  
[origin: DE19726055C1] An electromagnet system including a yoke (1) and having a core (2) which is fixed with a fixture end (23) in a round hole (13) of a yoke section, in which the core (2) has a preferably cylindrical shaft (24) and a conical section (25) widening to it's fixture end (23), the conical section piercing the yoke material with a core diameter exceeding the diameter of the round hole (13). On the conical section (25), is formed a thread (26,27), the conical section being inserted with self-forming threading on the threadless wall of the likewise conically widening recess (13) of the yoke (1).

IPC 1-7  
**H01H 36/00**

IPC 8 full level  
**H01H 49/00** (2006.01); **H01F 7/08** (2006.01); **H01H 36/00** (2006.01); **H01H 50/36** (2006.01)

CPC (source: EP KR US)  
**H01F 7/081** (2013.01 - EP US); **H01H 50/16** (2013.01 - KR); **H01H 50/36** (2013.01 - EP US); **H01H 2050/367** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**DE 19726055 C1 19981112**; CA 2294156 A1 19981230; CA 2294156 C 20061205; DE 59805327 D1 20021002; EP 0990246 A2 20000405; EP 0990246 B1 20020828; JP 2002508881 A 20020319; JP 3923092 B2 20070530; KR 100515433 B1 20050920; KR 20010013931 A 20010226; TW 382715 B 20000221; US 6300851 B1 20011009; WO 9859351 A2 19981230; WO 9859351 A3 19990318

DOCDB simple family (application)  
**DE 19726055 A 19970619**; CA 2294156 A 19980520; DE 59805327 T 19980520; DE 9801386 W 19980520; EP 98934755 A 19980520; JP 50352999 A 19980520; KR 19997011953 A 19980520; TW 87107378 A 19980513; US 44570799 A 19991209