

Title (en)
MAGNET ASSEMBLY FOR A TRANSDUCER

Title (de)
MAGNETBAUGRUPPE FÜR EINEN WANDLER

Title (fr)
ENSEMBLE MAGNETIQUE POUR TRANSDUCTEUR

Publication
EP 1757162 A1 20070228 (EN)

Application
EP 04754977 A 20040614

Priority
US 2004018570 W 20040614

Abstract (en)
[origin: WO2006001792A1] A transducer suitable for use as a microphone or receiver in a hearing aid has a housing and a diaphragm disposed within the housing. A motor assembly is also disposed within the housing and operatively coupled to the diaphragm. The motor assembly includes a magnet assembly having a magnetic yoke forming a channel and a drive magnet disposed within the channel. The magnetic yoke has a saturation inductance greater than 1.5 T and the drive magnet an energy density greater than 72 kJ/m³ and a coercivity greater than 140 kA/m.

IPC 8 full level
H04R 11/02 (2006.01); **H04R 11/04** (2006.01); **H04R 1/02** (2006.01); **H04R 1/06** (2006.01); **H04R 7/06** (2006.01); **H04R 31/00** (2006.01)

CPC (source: EP)
H04R 11/00 (2013.01); **H04R 2205/041** (2013.01); **H04R 2400/01** (2013.01)

Citation (search report)
See references of WO 2006001792A1

Citation (examination)
US 5960093 A 19990928 - MILLER THOMAS E [US]

Designated contracting state (EPC)
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