

Title (en)  
BEARING WITH PERMANENT MAGNETIC ELEMENTS

Title (de)  
LAGER MIT PERMANENTMAGNETISCHEN ELEMENTEN

Title (fr)  
PALIER MUNI D'AIMANTS PERMANENTS

Publication  
**EP 1817505 A1 20070815 (EN)**

Application  
**EP 05779375 A 20050824**

Priority  
• NO 2005000306 W 20050824  
• NO 20043556 A 20040825

Abstract (en)  
[origin: WO2006022554A1] A bearing (11) with permanent magnetic elements (18) which are arranged in a rotating and a not-rotating annular series (12, 13). The rotating series (13) are connected to or integrated with a rotating element. A gap (a) is maintained between said two series of magnetic elements due to the repulsive force acting between them. Such a bearing is particularly suitable at hubless propellers for ships, electric generator turbines and pumps. Improvement is achieved by providing at the mutually rotating annular series (12, 13), that the permanent magnetic elements (18) each is accommodated in a magnet holder (15) of ferromagnetic conductive material, said elements (18) being arranged in recesses (16, 21, 22) in the magnet holder (15) of ferromagnetic conductive material.

IPC 8 full level  
**F16C 32/04** (2006.01); **F16C 39/06** (2006.01); **F03B 11/06** (2006.01)

IPC 8 main group level  
**F16C** (2006.01)

CPC (source: EP)  
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