

Title (en)  
HUB ASSEMBLY FOR A ROULETTE WHEEL

Title (de)  
NABENANORDNUNG FÜR EIN ROULETTE-RAD

Title (fr)  
ENSEMBLE MOYEU POUR ROUE DE ROULETTE

Publication  
**EP 1466103 A1 20041013 (EN)**

Application  
**EP 02787206 A 20021224**

Priority  
• AU 0201750 W 20021224  
• AU PR975101 A 20011224

Abstract (en)  
[origin: WO03056196A1] A roulette wheel hub assembly has axle (17) supported by bearings (18, 20) seated in respective open ends of hollow housing (11). Between bearings (18, 20) is a stack of: magnetic pairs (25) (comprising inner magnets (27), attached to the axle (17), and outer magnet (28), attached to the housing (11)) separated by spacer pairs (26) (comprising inner spacers (29) attached to axle (17) and outer spacers (30) attached to housing (11)). Weight of the roulette wheel, carried by housing (11), is transmitted to axle (17) via the magnetic coupling (at approximately 0.5 mm running clearance) between inner and outer magnets (27, 28). Bearings (18, 20), which may be ceramic ball bearings with Teflon<TM> cages, provide radial stabilisation.

IPC 1-7  
**F16C 32/04**; **F16C 39/06**; **A63F 5/00**

IPC 8 full level  
**A63F 5/00** (2006.01); **F16C 32/04** (2006.01); **F16C 39/06** (2006.01)

CPC (source: EP)  
**A63F 5/00** (2013.01); **F16C 32/0417** (2013.01); **F16C 33/32** (2013.01); **A63F 5/0052** (2013.01); **A63F 5/0076** (2013.01); **F16C 2316/30** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**WO 03056196 A1 20030710**; AU 2002351877 A1 20030715; AU 2002351877 B2 20081009; AU PR975101 A0 20020124;  
EP 1466103 A1 20041013; EP 1466103 A4 20060823

DOCDB simple family (application)  
**AU 0201750 W 20021224**; AU 2002351877 A 20021224; AU PR975101 A 20011224; EP 02787206 A 20021224