

Title (en)
EPICYCLIC DIFFERENTIAL TRANSMISSION

Title (de)
DIFFERENTIAL-PLANETENGETRIEBE

Title (fr)
TRANSMISSION DIFFERENTIELLE EPICYCLIQUE

Publication
EP 1765627 A1 20070328 (EN)

Application
EP 05750265 A 20050608

Priority
• GB 2005002286 W 20050608
• GB 0412736 A 20040608

Abstract (en)
[origin: WO2005120877A1] A single speed epicyclic differential transmission allows an input shaft (12) to be connected to two output shafts (16, 23) with substantially equal torque split. The transmission includes two epicyclic gear trains having a common annulus/sun gear (17, 18) which acts on a differentiating gear to accommodate speed variation of the output shafts (16, 23).

IPC 8 full level
B60K 17/16 (2006.01); **F16H 48/10** (2012.01); **B60K 1/00** (2006.01); **B60K 7/00** (2006.01)

CPC (source: EP)
B60K 17/16 (2013.01); **F16H 48/10** (2013.01); **B60K 1/00** (2013.01); **B60K 7/0007** (2013.01); **B60K 2001/001** (2013.01); **F16H 57/02004** (2013.01); **F16H 63/3425** (2013.01); **F16H 2048/104** (2013.01); **F16H 2048/106** (2013.01)

Citation (search report)
See references of WO 2005120877A1

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

DOCDB simple family (publication)
WO 2005120877 A1 20051222; CN 1964864 A 20070516; EP 1765627 A1 20070328; GB 0412736 D0 20040707; JP 2008501920 A 20080124

DOCDB simple family (application)
GB 2005002286 W 20050608; CN 200580018753 A 20050608; EP 05750265 A 20050608; GB 0412736 A 20040608; JP 2007526547 A 20050608