

Title (en)  
HARMONIC DRIVE WITH CROWNED DRIVE RING

Title (de)  
WELLGETRIEBE MIT HAUBENFÖRMIGEM ABTRIEBSRING

Title (fr)  
TRANSMISSION A DEMULTIPLICATION HARMONIQUE ET A BAGUE DE SORTIE EN FORME DE COIFFE

Publication  
**EP 1364140 A1 20031126 (DE)**

Application  
**EP 02710022 A 20020122**

Priority  
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• EP 0200580 W 20020122

Abstract (en)  
[origin: WO02063187A1] A shaft drive (10), which may be produced without problem and easily -even in a cascade- assembled, may be achieved, whereby the support ring (18) produced such as to be floating relative to the housing is rotationally fixed on the front side to a housing base plate (12) and enclosed by a housing cover (20), similarly fixed to the base plate (12), in which the drive shaft (25) for the crowned drive ring (27), which may rotate relative to the support ring (18), has a floating bearing. The inner wheel (28), extending through both rings is however not supported in the housing, but rather mounted on the drive shaft (14) extending coaxially into the housing (11) through the base plate (12), by means of the wave generator drive core (30), the base plate (12) being non-rotationally mounted in front of the bearing plate (32) of the above.

IPC 1-7  
**F16H 49/00**

IPC 8 full level  
**F16H 1/32** (2006.01); **F16H 49/00** (2006.01); **F16H 57/033** (2012.01)

CPC (source: EP US)  
**F16H 49/001** (2013.01 - EP US); **F16H 57/033** (2013.01 - EP US); **Y10T 74/19** (2015.01 - EP US)

Citation (search report)  
See references of WO 02063187A1

Citation (examination)  
US 5370011 A 19941206 - GILGES SIEGMAR [DE], et al

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**WO 02063187 A1 20020815**; EP 1364140 A1 20031126; JP 2004518096 A 20040617; US 2003075009 A1 20030424; US 6786112 B2 20040907

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