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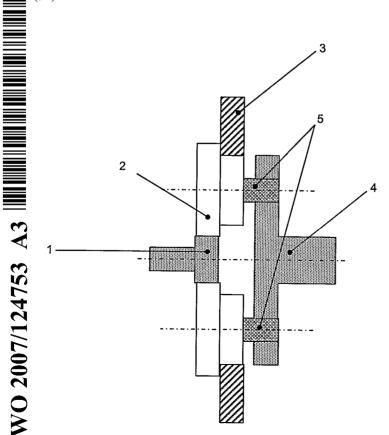
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A TRANSMISSION



(57) Abstract: The invention provides a transmission providing a gear ratio between an input shaft and an output shaft. The transmission comprises an annulus ring, a sun wheel being rotatable around a central axis of the transmission, a planet carrier being rotatable around the central axis of the transmission, and a set of planet wheels, each wheel comprising a plurality of wheel segments with different diameters, the planet wheels being fixed in rotational bearings of the planet carrier and being arranged to rotate epicyclically around the central axis. The annulus ring and the sun wheel each interacts with one of the wheel segments e.g. via meshing toothed gear wheels. The gear facilitates various interaction means at different locations in the gear, and thus facilitates a potentially less noisy, lighter, smaller or stronger gear by use of a low amount of components.



## INTERNATIONAL SEARCH REPORT

International application No
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			101/ 01/2007/ 000/203			
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According to	o International Patent Classification (IPC) or to both national classi	fication and IPC				
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F16H	ocumentation searched (classification system followed by classific	ation symbols)				
	tion searched other than minimum documentation to the extent that					
1	data base consulted during the international search (name of data ternal, WPI Data	base and, where practical,	search terms used)			
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the	Relevant to claim No.				
Х	EP 1 262 683 A2 (ZF PADOVA S P 4 December 2002 (2002-12-04) figures 1,2	1–5				
Х	DE 39 03 517 A1 (MUCHNA MARIA [1 19 October 1989 (1989-10-19) figure 2	1-5				
Х	DE 101 61 942 A1 (HIRN THOMAS [ILAUFFER ADELBERT [DE]) 3 July 2003 (2003-07-03) figure 1	1-3,5				
Furt	her documents are listed in the continuation of Box C.	X See patent fam	ily annex.			
* Special categories of cited documents :  "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention						
"E" earlier of filing of "L" docume which citation "O" docume	lar relevance; the claimed invention red novel or cannot be considered to e step when the document is taken alone lar relevance; the claimed invention red to involve an inventive step when the ned with one or more other such docu-					
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1	7 July 2007	14/11/2	14/11/2007			
Name and r	mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer	Authorized officer			
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INTERNATIONAL SEARCH REPORT

International application No. PCT/DK2007/000209

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-5
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

#### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5

Claim 1 relates to a transmission having different planet wheel segments interacting with a ring wheel and a sun wheel.

2. claims: 6-12,30

Claim 12 relates to a transmission having two ring wheels and selection means to select al least partially locking these rings.

3. claims: 13-29,31,32

Claim 20 relates to a transmission having two sun wheels, planet wheel segments and selection means to establish interaction between one of these sun wheels and one of the wheel segments.

#### INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/DK2007/000209

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1262683	<b>A</b> 2	04-12-2002	AT IT US	340951 T PD20010123 A1 2002178851 A1	15-10-2006 29-11-2002 05-12-2002
DE 3903517	A1	19-10-1989	NONE		- 1000 AND 1
DE 10161942	A1	03-07-2003	NONE		