Title: LIGHT WEIGHT LOW ANGLE FIXED CONSTANT VELOCITY JOINT

Abstract: A constant velocity joint (10) includes an outer race (36) and an inner race (42) arranged within the outer race. The joint includes a cage (48) arranged between the outer race and inner race and a rolling element (46) arranged between the outer race and inner race. The constant velocity joint outer race has a reduced diameter (52) and a reduced head length (54) for reduced weight and packaging as well as for providing easier installation in a vehicle driveline system.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

(88) Date of publication of the international search report:
24 March 2005

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.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(7) : F16D 003/223
   US CL. : 464/145

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,299,544 B1 (SCHWARZLER et al) 09 October 2001 (09.10.2001), figure 3.</td>
<td>1-11, 14-22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special category of cited documents:</th>
</tr>
</thead>
</table>

"A" document defining the general state of the art which is not considered to be of particular relevance

"B" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority data claimed

"P" later document published after the international filing date or priority data and not in conflict with the application but cited to understand the principle or theory underlying the invention

"P" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"P" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"P" document member of the same patent family

Date of the actual completion of the international search 01 December 2004 (01.12.2004)

Date of mailing of the international search report 25 JAN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230

Authorized officer

Greg Binda

Telephone No. (703) 308-2188

Form PCT/ISA/210 (second sheet) (January 2004)