





HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

**Published:**

- with international search report (Art. 21(3))
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5 November 2009

**A. CLASSIFICATION OF SUBJECT MATTER***F16C 33/64(2006.01)i, G06F 9/30(2006.01)i, F16C 43/00(2006.01)i, F16C 33/58(2006.01)i*

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)

IPC8 : F16C 19/18, 23/08, 25/06, 35/06

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

Korea Utility Model and applications for Utility Model since 1975

Japanese Utility Model and applications for Utility Model since 1975

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

eKOMPASS(KIPO internal) &amp; keyword : "bearing", "pocket", "bearing race"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2006-072151 A1 (HANSEN TRANSMISSIONS INTERNATIONAL, NAAMLOZE VENNOOTSCHAP) 13 JULY 2006 See page 1, line 2 - line 6 and Figure 1.	1-20
A	DE 20211890 U1 (AKTIE BOLAGET SKF) 10 OCTOBER 2002 See page 5, line 10 - page 6, line 18 and Figure 1.	1-20
A	WO 2007-105655 A1 (NSK LTD) 20 SEPTEMBER 2007 See page 10, line 14 - page 18, line 2 and Figures 1, 5, 12.	1-20
A	KR 20-1995-0003591 Y1 (LEE SHANG HUN) 04 MAY 1995 See page 2, line 6 - line 39 and Figure 4.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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

"E" earlier application or patent but 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 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 date claimed

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

"X" 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

"Y" 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

15 SEPTEMBER 2009 (15.09.2009)

Date of mailing of the international search report

**16 SEPTEMBER 2009 (16.09.2009)**

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2009/033168**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006-072151 A1	13.07.2006	AU 2006204599 A1 CA 2584870 A1 EP 1836405 A1 EP 01836405 B1 GB 2421987 A JP 2008-527259 A US 2008124014 A1	09.01.2006 13.07.2006 26.09.2007 15.04.2009 12.07.2006 24.07.2008 29.05.2008
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KR 20-1995-0003591 Y1	05.05.1995	None	