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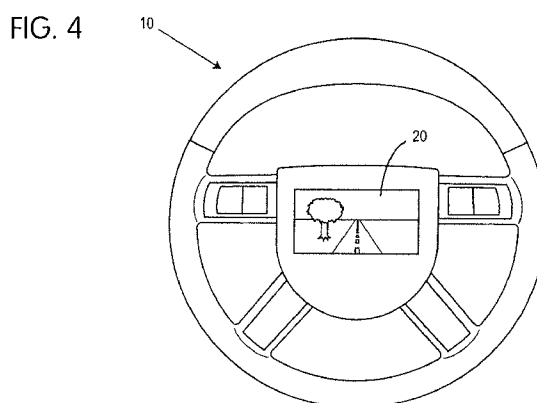
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6 August 2009

(54) **Title:** VEHICLE COMMUNICATION SYSTEM AND METHOD





(57) **Abstract:** A vehicle communication system and communication steering wheel is provided. The communication steering wheel includes a display, a wireless transceiver configured to operably connect to a wireless device, a sensor, configured to obtain directional steering information and a controller, configured to receive input from the wireless transceiver and the sensor and output a signal to the display based on the received input.



WO 2009/064886 A3

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/TJS2008/083404

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>  <i>B62D 1/04(2006.01)i, B60R 11/02(2006.01)1, B62D 6/00(2006.01)1</i>  According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) IPC B62D 1/04  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean utility models and applications for utility models since 1975 Japanese utility models and applications for utility models since 1975  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKIPASS (KIPO internal) & keywords vehicle, steering, display, wireless, sensor, controller, transceiver and bluetooth		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X A	KR 10-2000-0017980 A (JEON, K H and LEE, S S ) 06 April 2000 See page 2, line 38 - page 4, line 3, and figure 3	1-8, 14 9-13, 26-28
A	KR 10-2006-0026157 A (DAEWOO ELECTRONIC CORPORATION) 23 March 2006 See page 2, line 29 - page 3, line 44, and figure 2	1-14, 26-28
A	US 6983170 B2 (STULBERGER, J ) 03 January 2006 See column 10, line 29 - column 14, line 53, and figure 7	1-14, 26-28
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> 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 "&" document member of the same patent family		
Date of the actual completion of the international search  15 JUNE 2009 (15 06 2009)		Date of mailing of the international search report  16 JUNE 2009 (16.06.2009)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No 82-42-472-7140		Authorized officer  KIM, DONG JIN  Telephone No 82-42-48 1-5415 

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2008/083404

## Box No. 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 ☐ I Claims Nos  
because they relate to subject matter not required to be searched by this Authority, namely
- 2 ☒ I Claims Nos 15-25  
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  
Claim 12 is directed to a communication steering wheel, but claims 15-25 dependent on claim 12 are directed to a vehicle communication system. Therefore, claims 15-25 do not clearly define the matter for which protection is sought (PCT Article 6)
- 3 ☐ I 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 No. 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

- 1 ☐ I As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
- 2 ☐ I As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee
- 3 ☐ I 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 ☐ I 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

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation
- ☐ No protest accompanied the payment of additional search fees

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2008/083404

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 10-2000-0017980 A	06.04.2000	KR 187096 Y 1	15.06.2000
KR 10-2006-0026157 A	23.03.2006	None	
US 2003-0064748 A 1	03.04.2003	US 2003-064748 A 1	03.04.2003
		US 6983170 B2	03.01.2006