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- (71) **Applicant (for all designated States except US):** JOHNSON CONTROLS TECHNOLOGY COMPANY [US/US]; 915 East 32nd Street, Holland, MI 49423 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** ZEINSTR, Mark [US/US]; 945 Meadow Ridge Drive, Holland, MI 49424 (US). TRAINOR, James [US/US]; 135 Woodwind Drive, Holland, MI 49424 (US). CHUTORASH, Richard, J. [US/US]; 5360 Old Mill Road, Oakland Township, MI 48306 (US). VANDERWALL, Philip, J. [US/US]; 0-3705 West Leonard, Marne, MI 49435 (US).
- (74) **Agents:** RAWLINS, Andrew, E. et al; FOLEY & LARDNER LLP, 3000 K Street, NW, Suite 600, Washington, DC 20007 (US).

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Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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29 July 2010

(54) **Title:** SYSTEM AND METHOD FOR CONFIGURING A WIRELESS CONTROL SYSTEM OF A VEHICLE USING INDUCTION FIELD COMMUNICATION

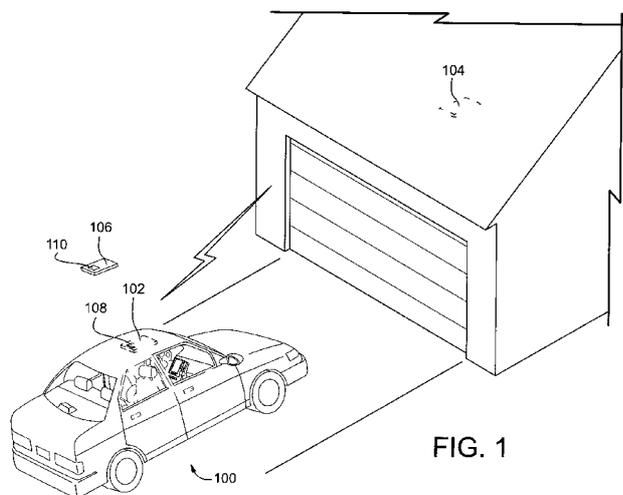


FIG. 1

(57) **Abstract:** A system for mounting in a vehicle and for providing a control signal to a remote device based on information stored in a portable electronic device includes a radio frequency transmitter for transmitting a control signal to the remote device. The system also includes a first circuit configured to receive first information from the portable electronic device via inductive-coupling between the portable electronic device and the first circuit when the portable electronic device is brought within the induction field of the first circuit. The system also includes a second circuit configured to use the first information received from the portable electronic device and to at least one of format the control signal in accordance with the first information and to cause the radio frequency transmitter to format the control signal in accordance with the first information.



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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/065855

A. CLASSIFICATION OF SUBJECT MATTER
INV. G08C17/02

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)
G08C

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 7 116 229 B1 (MIRAMONTES OSCAR [US]) 3 October 2006 (2006-10-03) column 3, line 45 - column 6, line 40 column 7, line 4 - column 9, line 12 -----	1,9
X	EP 1 052 609 A1 (MATSUSHITA ELECTRIC IND CO LTD [JP] PANASONIC CORP [JP]) 15 November 2000 (2000-11-15) paragraph [0034] - paragraph [0040] -----	1,9
X	EP 1 959 410 A1 (VODAFONE HOLDING GMBH [DE]) 20 August 2008 (2008-08-20)	1-5,9-13
Y	paragraph [0014] - paragraph [0015] paragraph [0021] - paragraph [0030] -----	6-8,14
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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 document 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 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 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

26 February 2010

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11/06/2010

Name and mailing address of the ISA/

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV RIJSWIJK
Tel (+31-70) 340-2040,
Fax (+31-70) 340-3016

Authorized officer

Pham, Phong

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/065855

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	WO 2008/079811 A1 (JOHNSON CONTROLS TECH CO [US]; WITKOWSKI TODD R [US]; SHEARER CARL L []) 3 July 2008 (2008-07-03) paragraph [0049] - paragraph [0051] paragraph [0055] - paragraph [0056] -----	6-8,14

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/065855

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. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. 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 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:

see additional sheet

1. 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 fees, this Authority did not invite payment of additional fees.
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.:

1-14

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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-14

Group 1 relates to a system and method for providing a control signal to a remote device based on information stored in a portable electronic device.

2. claims: 15-20

Group 2 relates to a system for facilitating hands-free communication in a vehicle using a portable electronic device.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2009/065855

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 7116229	B1	03-10-2006	NONE
EP 1052609	A1	15-11-2000	JP 2000324572 A 24-11-2000
		US 6590505 B1	08-07-2003
EP 1959410	A1	20-08-2008	NONE
WO 2008079811	A1	03-07-2008	NONE