



— *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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A. CLASSIFICATION OF SUBJECT MATTER***F02M 25/07(2006.01)i, F02D 21/08(2006.01)i, F02D 41/04(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)

IPC 2009: F02M 25/07

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: EGR monitor, control, EGR ratio and intake manifold

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4823760 A (MINORU NISHIDA) 25 Apr. 1989 See the abstract, figs. 1-6 and claims 1-9.	1 - 19
A	US 7104260 B2 (TAKASHI NAKAZAWA et al.) 12 Sep. 2006 See the abstract, figs. 1-3 and claims 1-20.	1 - 19
A	US 6640775 B2 (HIROYUKI ITOYAMA et al.) 04 Nov. 2003 See the abstract, figs. 1, 6-10 22-27 and claims 1-13.	1 - 19
A	US 5934249 A (ATSUSHI NANBA et al.) 10 Aug. 1999 See the abstract, figs. 4-13 and claims 1-17.	1 - 19



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

"&" document member of the same patent family

Date of the actual completion of the international search

03 JULY 2009 (03.07.2009)

Date of mailing of the international search report

06 JULY 2009 (06.07.2009)

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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

CHOI, INYONG

Telephone No. 82-42-481-5475



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2008/086516

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4823760 A	25.04.1989	JP 2656491 B2 JP 63-289265 A KR 10-1988-0014239 A KR 9204491 B1	24.09.1997 25.11.1988 23.12.1988 05.06.1992
US 7104260 B2	12.09.2006	US 2006-102148 A1	18.05.2006
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US 5934249 A	10.08.1999	DE 19741180 A1 GB 2317715 A GB 9720476 D0 JP 10-103116 A JP 3805840 B2	02.04.1998 01.04.1998 26.11.1997 21.04.1998 09.08.2006