Title: FUEL GAS SUPPLY SYSTEM AND METHOD OF SHIP

[Fig. 1]

Abstract: A fuel gas supply system of a ship is provided for supplying fuel gas to a high-pressure gas injection engine of a ship, wherein LNG is extracted from an LNG tank of the ship, compressed at a high pressure, gasified, and then supplied to the high-pressure gas injection engine.

---

WO 2009/011497 A3


(51) International Patent Classification:
B63B 25/08 (2006.01)

(19) World Intellectual Property Organization
International Bureau

(21) International Application Number:
PCT/KR2008/003497

(22) International Filing Date: 19 June 2008 (19.06.2008)

(25) Filing Language: English

(43) International Publication Date 22 January 2009 (22.01.2009)

(57) Abstract: A fuel gas supply system of a ship is provided for supplying fuel gas to a high-pressure gas injection engine of a ship, wherein LNG is extracted from an LNG tank of the ship, compressed at a high pressure, gasified, and then supplied to the high-pressure gas injection engine.
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: 19 March 2009
A. CLASSIFICATION OF SUBJECT MATTER

B63B 25/08(2006.01)

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 8 B63B 25/08, B63H 21/17, B63H 21/14, F02M 21/02

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 "fuel", "gas", "supply", "LNG", "pump", "high-pressure", "engine", "heat exchanger" & "boil-off gas,"

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>A</td>
<td>KR 1020060122155 A (SAMSUNG HEAVY IND CO., LTD) 30 November 2006 See abstract and figures 1, 3</td>
<td>1 - 20</td>
</tr>
<tr>
<td>A</td>
<td>KR 100547696 B1 (DAEWOO SHIPBUILDING &amp; MARINE ENG CO., LTD) 31 January 2006, See claims 1, 2 and figures 1, 3</td>
<td>1 - 20</td>
</tr>
<tr>
<td>A</td>
<td>JP 2006348752 A (KAWASAKI SHIPBUILDING CORP) 28 December 2006 See claims 1 to 3 and figures 1 to 3</td>
<td>1 - 20</td>
</tr>
<tr>
<td>A</td>
<td>KR 100441857 B1 (DAEWOO SHIPBUILDING &amp; MARINE ENG CO., LTD) 16 July 2004 See abstract and figure 1</td>
<td>1 - 20</td>
</tr>
</tbody>
</table>

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
16 JANUARY 2009 (16.01.2009)

Date of mailing of the international search report
16 JANUARY 2009 (16.01.2009)

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
PARK, SUNG WOO
Telephone No 82-42-481-8140

Form PCT/ISA/210 (second sheet) (July 2008)
<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>KR 1020060122155 A</td>
<td>30.11.2006</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>KR 100547696 B1</td>
<td>31.01.2006</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>JP 2006348752 A</td>
<td>28.12.2006</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>KR 100441857 B1</td>
<td>16.07.2004</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>