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(54) Title: RECIPICATING COMPRESSOR WITH INLET BOOSTER FOR CNG STATION AND REFUELING MOTOR VEHICLES

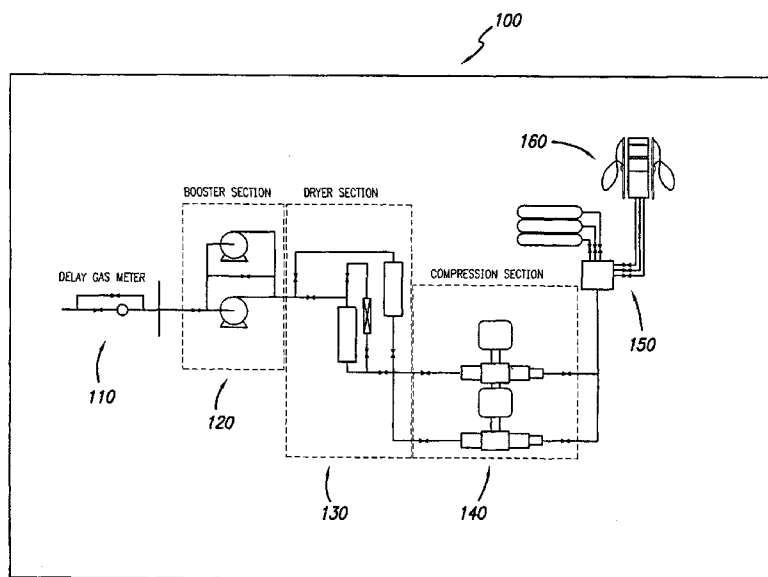


FIG. 1

(57) Abstract: The present invention provides a natural gas compression system, comprising a gas inlet component for the entrance of natural gas into the system, a booster component for increasing the pressure of the natural gas, a drying component for drying the natural gas, a compressor component including a recipicating compressor for further increasing the pressure of the natural gas, a valve control panel and storage component, and a dispensing component.



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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US 08/51102

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(8) - F25J 1/00 (2008.04)

USPC - 62/611

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): F25J 1/00 (2008.04)

USPC: 62/611.

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

USPC: 62/611. (see search terms)

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

USPTO - West - DB: PGPB, USPT, EPAB, JPAB

Search terms: compressor, booster, drying, dryer, drier, natural gas, inlet, control, parallel, saturated, pressure, tower, storage, vessel, adjustment and range.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,615,561 A (HOUSHMAND et al.) 01 April 1997 (01.04.1997); figure 1-5c; column 4, line 55 to column 14, line 47.	1-6 and 8-20 ----- 7
Y	US 5,839,886 A (SHAW) 24 November 1998 (24.11.1998); figure 1-7; column 3, line 60 to column 7, line 62.	7

Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:

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

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"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

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