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(71) Applicant (for all designated States except US): CATER-  
PILLAR INC. [US/US]; 100 N.E. Adams Street, Peoria,  
IL 61629-9510 (US).

## (72) Inventors; and

(75) Inventors/Applicants (for US only): NELSON, Bryan E.  
[US/US]; 22 Bay Shore Drive, Lacon, IL 61540 (US).  
PETERSON, Jeremy T. [US/US]; 1517 Aspen Drive,  
Washington, IL 61571 (US).(74) Agents: FAHLBERG, Robin S. et al.; 100 N. E. Adams  
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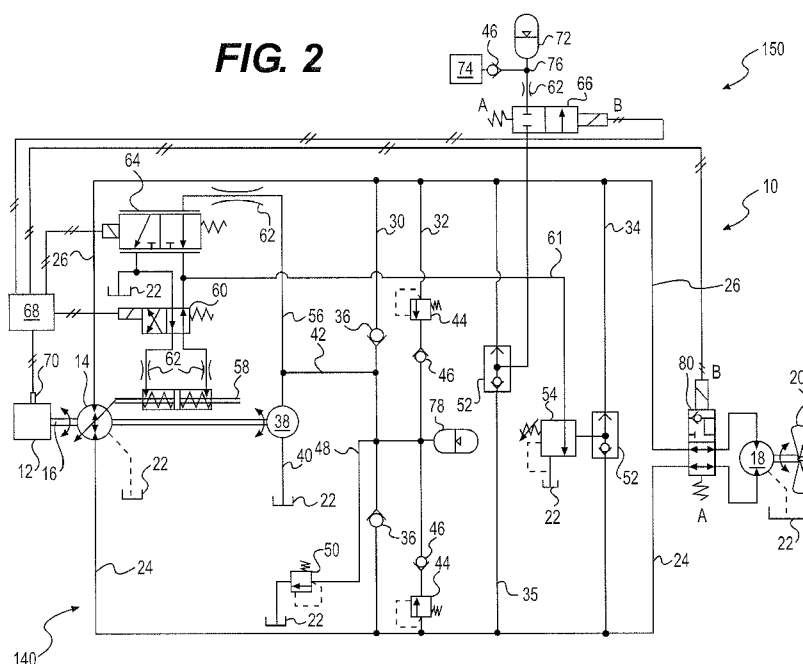
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(54) Title: HYDRAULIC FLUID SYSTEM

FIG. 2



(57) Abstract: A hydraulic fluid system (150) for a mobile machine (100) includes a closed loop hydraulic fan circuit (10). The hydraulic fan circuit (10) includes a primary pump (14), a motor (18) fluidly connected to the primary pump (14), and a fan (20) driven by the motor (18). The hydraulic fan circuit (10) also includes a supply passage (26) extending from the primary pump (14) to the motor (18), a return passage (24) extending from the motor (18) to the primary pump (14), and a first accumulator (72) selectively fluidly connected to at least one of the supply (26) and return passages (24) via a charge valve (66). The hydraulic fluid system (150) also includes at least one open loop hydraulic circuit (74) fluidly connected to the first accumulator (72).

**A. CLASSIFICATION OF SUBJECT MATTER*****F15B 15/18(2006.01)i, F15B 1/02(2006.01)i, F15B 13/042(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)

F15B 15/18; F15B 21/04; F15B 11/02; F15B 11/16; F15B 11/17; E02F 9/22

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords:hydraulic fan, pump, motor, accumulator

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                   | Relevant to claim No. |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
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| A         | EP 2270339 A1 (KOMATSU LTD.) 05 January 2011<br>See claims 1-2, 9-10, figures 1, 7.                                                  | 1-10                  |
| A         | US 5975233 A (EISENBACHER, EGON) 02 November 1999<br>See column 4, lines 35-43; column 5, line 62 to column 6, line 63; figures 1-3. | 1-10                  |
| A         | EP 1967745 A1 (HITACHI CONSTRUCTION MACHINERY CO., LTD.) 10 September 2008<br>See claims 1, 6-7, figure 3.                           | 1-10                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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