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(54) Title: CONTROL SYSTEM HAVING VARIABLE-SPEED ENGINE-DRIVEN FAN

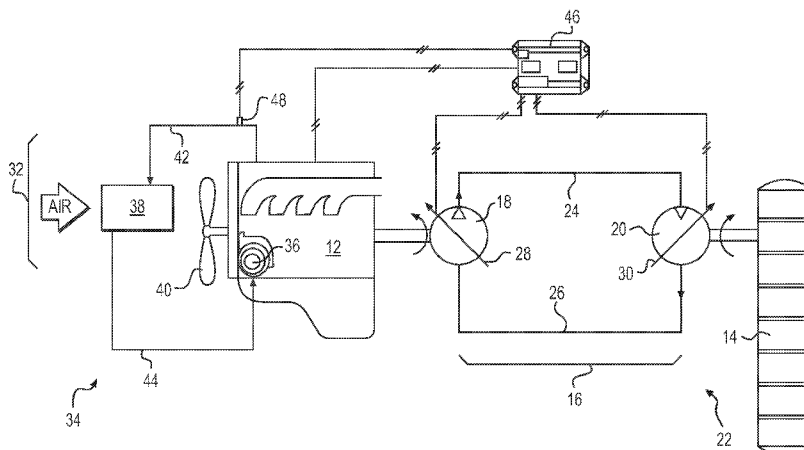


FIG. 2

(57) Abstract: A control system for use with a machine (10) having an engine (12) is disclosed. The control system may have a cooling circuit (34), a heat exchanger (38) associated with the cooling circuit, and a sensor (48) configured to generate a signal indicative of a temperature of the cooling circuit. The cooling system may also have a fan (40) mechanically driven by the engine to direct air through the cooling circuit, and a controller (46) in communication with the sensor and the engine. The controller may be configured to adjust a speed of the engine based on the signal.



A. CLASSIFICATION OF SUBJECT MATTER**F01P 7/04(2006.01)i, F01P 7/12(2006.01)i, F01P 5/02(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)

F01P 7/04; E02F 9/00; F01P 5/00; F01P 11/16; F01P 5/04

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) & Keywords: control system, engine, cooling, sensor, fan, controller

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 10-2005-0094344 A (SHIN CATERPILLAR MITSUBISHI LTD.) 27 September 2005 See page 2, line 44 - page 3 line 21; Figure 6	1-10
A	JP 10-068142 A (SHIN CATERPILLAR MITSUBISHI LTD.) 10 March 1998 See figure 1	1-10
A	US 6349882 B1 (KITA; IKUO et al.) 26 February 2002 See column 5 line 55 - column 8 line 16; figures 1-3,10	1-10
A	US 2008-0164989 A1 (EASTON DAVID JOSEPH) 10 July 2008 See paragraph 17	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

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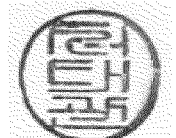
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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