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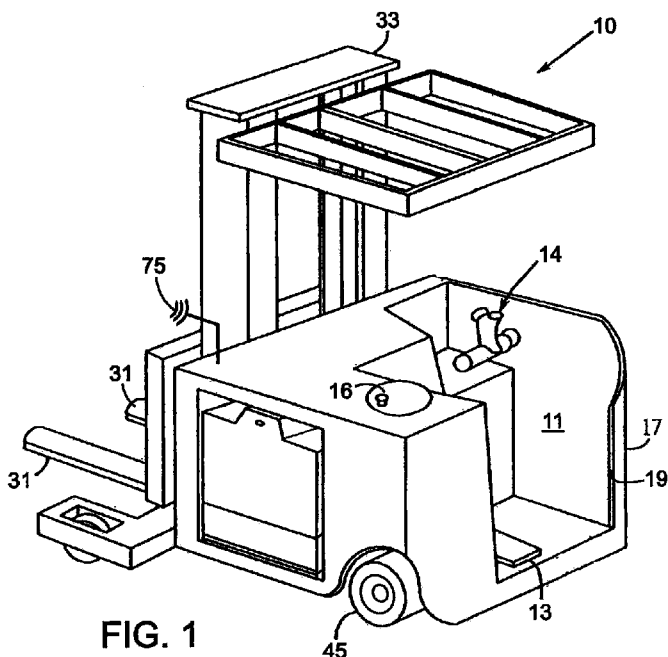


FIG. 1

(57) Abstract: An industrial vehicle has a controller connected to a plurality of sensors for accumulating information related to operation of the vehicle. The controller employs that information in governing further vehicle operation to reduce the likelihood of damage to the vehicle or a load being transported. The information also is analyzed to determine how efficiently the industrial vehicle and its operator are performing in relation to performance benchmarks for the vehicle and in comparison to other industrial vehicles. Performance of the industrial vehicle can be limited to conserve battery power and restrict recharging the battery to off-peak hours of an electrical utility. When the sensors detect a malfunction of the industrial vehicle, a fault code is produced. A service technician can use that fault code to automatically access repair manuals stored in the computer system of the vehicle and obtain information for diagnosing and correcting the malfunction.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/040640**A. CLASSIFICATION OF SUBJECT MATTER***B66F 9/24(2006.01)i, G05B 19/418(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)

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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)

eKOMPASS(KIPO internal) & keywords: vehicle, load

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-225926 A(HITACHI LTD.) 21 AUGUST 2001 See abstract; paragraphs 25,26; fig.2; claims 1,2.	1-4, 7
Y	JP 2005-043974 A(HITACHI SOFTWARE ENGINEERING LTD.) 17 FEBURUARY 2005 See abstract; paragraphs 50-84; figs.13-18; claim 1.	1-4, 7
A	JP 2002-060016 A(NEC CORP.) 26 FEBURUARY 2002 See abstract; paragraphs 18-20; fig.4; claims 1,2.	1-7, 17-31
A	JP 2003-037903 A(HONDA MOTOR CO LTD.) 7 FEBURUARY 2003 See abstract; paragraph 14; fig.3; claim 1.	28-31

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

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JP 2001-225926 A	21.08.2001	None	
JP 2005-043974 A	17.02.2005	None	
JP 2002-060016 A	26.02.2002	None	
JP 2003-037903 A	07.02.2003	None	