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(54) Title: MANAGEMENT SYSTEM INCORPORATING PERFORMANCE AND DETECTION DATA

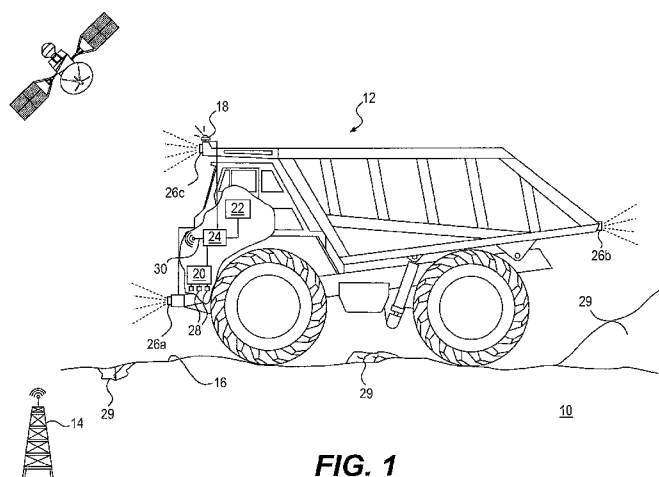


FIG. 1

(57) Abstract: A management system (32) for use at a worksite (10) is disclosed. The management system may have at least one object detection sensor (26) configured to generate a first signal indicative of a feature (29) of a roadway (16) traversed by the mobile machine (12), a positioning device (18) configured to generate a second signal indicative of a position of the mobile machine, and at least one performance sensor (28) configured to generate a third signal indicative of a performance parameter of the mobile machine as the mobile machine traverses the feature. The management system may also have a controller (34) configured to determine a surface condition of the roadway based on the first signal, index the surface condition to a particular location on the roadway based on the second signal, and generate a map of the roadway providing a representation of the surface condition and the performance parameter.



A. CLASSIFICATION OF SUBJECT MATTER***E02F 9/20(2006.01)i, B62D 5/32(2006.01)i, E02F 9/24(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)

E02F 9/20; G05D 1/10; G06F 17/00; E02F 3/84; E02F 5/02; G05D 1/02; E02F 3/76

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: worksite, detect, position, sensor, location, performance, control, onboard, offboard, map, future.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 05375663 A (TEACH; TED L.) 27 December 1994 See claims 1-3 and figures 1-3.	1, 7, 8, 10 9 2-6
Y	US 06064926 A (SARANGAPANI; JAGANNATHAN et al.) 16 May 2000 See column 3; line 10 - column 5; line 41 and figures 2-3, 8, 11.	9
A	EP 1571515 A1 (LEICA GEOSYSTEMS AG) 07 September 2005 See claims 1-3 and figures 6-7.	1-10
A	US 2008-0127529 A1 (STANEK DANIEL et al.) 05 June 2008 See claims 1-7 and figures 1-4.	1-10



Further documents are listed in the continuation of Box C.



See patent family annex.

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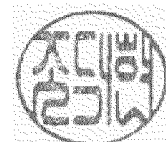
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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