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(54) Title: SYSTEM FOR CONTROLLING A MULTIMACHINE CARAVAN

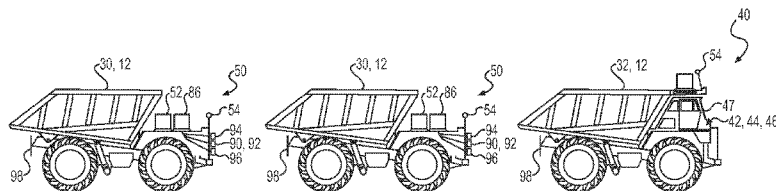


FIG. 2

(57) **Abstract:** A control system (40) is disclosed. The control system includes a first set of operator input devices (44) and a laser target (98) located on a first machine (32). The control system also includes a first laser measurement system (90) located on a second machine (30) and configured to measure a distance to the laser target. The control system further includes a communications system (54) configured to selectively communicate a first mode of operation and a second mode of operation. In the first mode of operation, the second machine follows the first machine based on the measured distance. In the second mode of operation, the second machine moves based on a signal from the first set of operator input devices.

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**A. CLASSIFICATION OF SUBJECT MATTER*****B60P 3/00(2006.01)i, B60P 3/32(2006.01)i, B60R 99/00(2009.01)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)

IPC G06F 7/70, A62C 27/00, G05D 1/02, B05B 9/06

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)

eKIPASS (KIPO INTERNAL) "vehicle", "lead", "follow", "distance"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	US 7277784 B2 (HEINZ WEISS) 02 October 2007 See column 6, line 49 to column 8, line 52; claims 1-13	1-3, 6-10 4-5
Y A	JP 02750520 B2 (MORITA:KK) 27 February 1998 See paragraph 11 to paragraph 22; claims 1-4	1-3, 6-10 4-5
Y A	JP 02-076009 A (TOYOTA AUTOM LOOM WORKS LTD) 15 March 1990 See column 4, line 2 to column 9, line 14; claim 1	9 1-8, 10
A	US 6148255 A (MASSLAND N.V. A DUTCH LIMITED COMPANY) 14 November 2000 See column 2, line 63 to column 4, line 20; claims 1-2	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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"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

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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Date of the actual completion of the international search

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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