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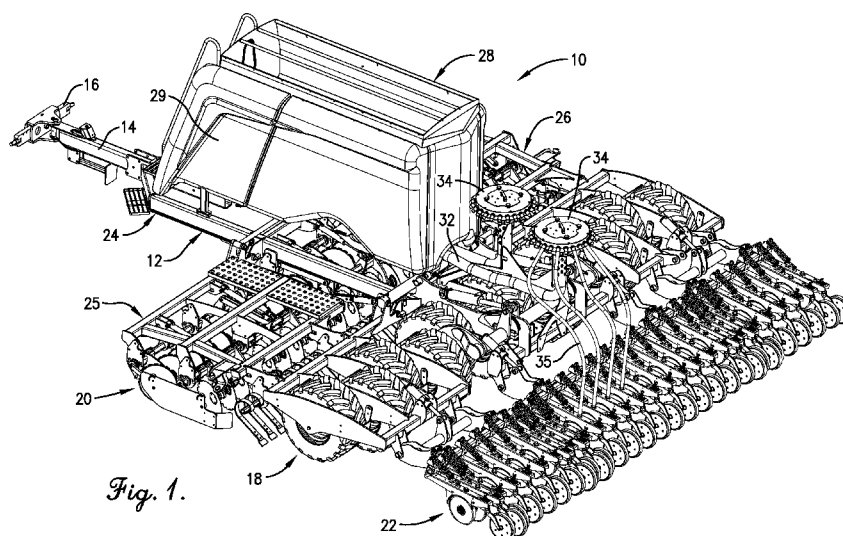
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(54) Title: AGRICULTURAL IMPLEMENT HAVING HOPPER WEIGHING SYSTEM



(57) Abstract: An agricultural seeding implement has a seed hopper that is weighed continuously during field operations as the seed volume in the hopper progressively diminishes. The weight information is used to perform ongoing control functions on the implement. One embodiment uses the weight information to reduce the down pressure on compaction wheels of a wing section of the machine as a function of the diminishing weight of the hopper on the main section.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2012/041122**A. CLASSIFICATION OF SUBJECT MATTER*****A01B 49/06(2006.01)i, A01B 71/02(2006.01)i, A01B 69/00(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)

A01B 49/06; A01C 007/00; A01C 5/00; C04B 35/10; B24D 3/16

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: seed, weighing system, frame, hopper, load cell, control function

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004-0206281 A1 (DAVID E. WILSON) 21 October 2004 See abstract, paragraph [0009], claim 42, fig.12.	1-2, 13-14
A	US 2004-0206281 A1 (DAVID E. WILSON) 21 October 2004 See abstract, paragraph [0009], claim 42, fig.12.	3-12, 15-22
A	US 6688245 B2 (JUPTNER; DETLEF) 10 February 2004 See abstract, columns 3,4, claim 1, fig.1.	1-22
A	EP 0075313 B1 12 June 2002 See abstract, claim 1.	1-22
A	EP 0636457 B1 (DAVID A. SHELDON) 24 September 2003 See whole document.	1-22



Further documents are listed in the continuation of Box C.



See patent family annex.

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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

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Date of the actual completion of the international search

24 JANUARY 2013 (24.01.2013)

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Information on patent family members

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