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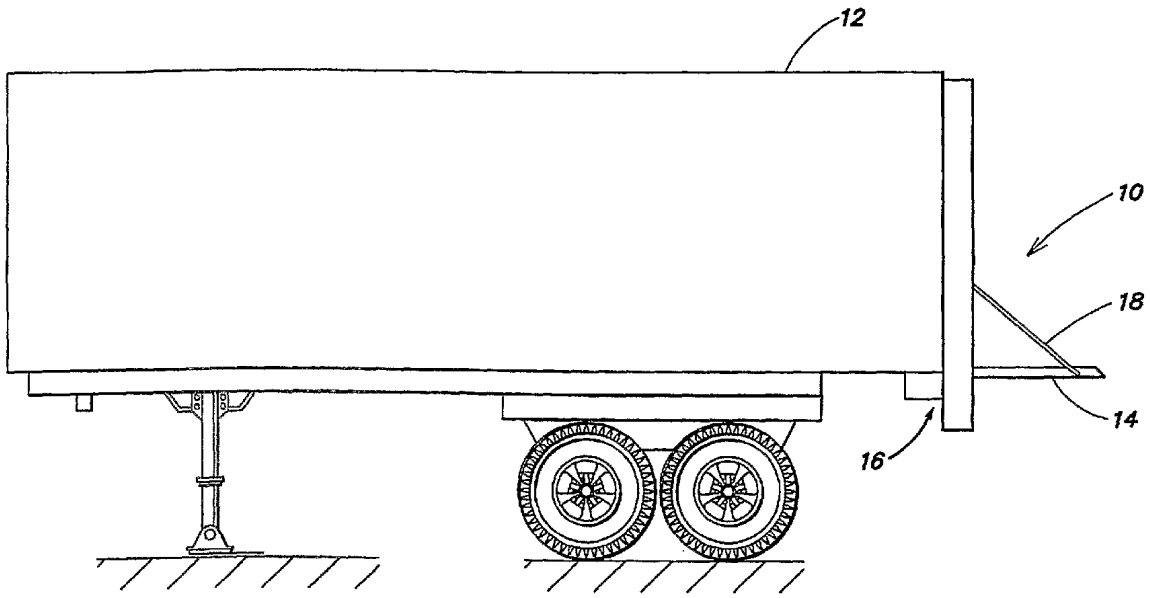
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(54) Title: LIFT GATE APPARATUS FOR A TRUCK OR TRAILER BODY



(57) Abstract: A lift gate apparatus for a truck or trailer body is provided that includes a platform and a drive mechanism operable to pivot the platform between a stowed position and a deployed position, and vertically move the platform from a bed-level position and a lower than bed-level position. In some embodiments, the drive mechanism utilizes a pneumatic motor to power one or both of a pivot drive and a lift drive. In some embodiments, the drive mechanism utilizes one or more pneumatic cylinders within the pivot drive or lift drive. In some embodiments, one or more pneumatic cylinders are arranged to both pivot the platform and vertically lift the platform, thereby combining the functionality of the pivot drive and the lift drive. The emergency brake system of the truck or trailer body can be used as a source of compressed air to power the pneumatic motor and/or cylinders.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC: **B60J 5/00,7/00;B62D 25/00;E05F 11/24,15/10;F16H 27/02**

USPC: 296/56,146.1,146.4,146.8,146.11;49/340,341,342,343;74/89.17
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)
U.S. : 296/ 56, 146.1, 146.4, 146.8, 146.11; 49/340, 341, 342, 343; 74/89.17

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,142,551 A CIAVAGLIA et al. (7 November 2000) (07.11.2000), see entire document.	1-10
A	US 6, 092,336 A (WRIGHT et al.) 25 July 2000 (25.07.2000), see entire document.	1-10
A	US 6,025,685 A (PARSADAYAN)15 FEBRUARY 2000 (15.02.2000), see entire document.	1-10

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

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Date of the actual completion of the international search	Date of mailing of the international search report
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