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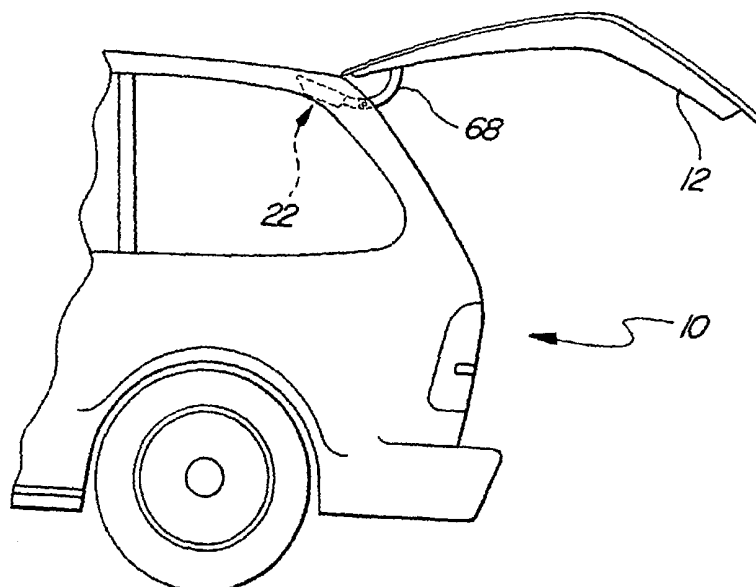
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(54) Title: LEAD SCREW DRIVE FOR A POWER LIFTGATE



(57) Abstract: A power drive assembly moves a liftgate (12) of a motor vehicle (10) between its open and closed positions. The motor vehicle (10) defines an opening and the liftgate (12) closes the opening when the liftgate (12) is in its closed position. The power drive assembly (22) includes a base (24) that is fixedly secured to the motor vehicle (10) at a position in spaced relation to the opening. A drive mechanism (38) is fixedly secured to the guide. The drive mechanism (38) converts electrical energy into a linear force. The power drive assembly (22) includes a translation linkage (58) connected to the drive mechanism (38) for receiving the linear force and translating it into a nonlinear force to move the liftgate (12) between the open position and the closed position. A nut (52), secured to the translation linkage (58), moves the translation linkage (58) as it travels along a lead screw (50) that is rotated by a motor (40).



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 01/01050

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B60J5/10

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 7 B60J

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 055 776 A (ADDISON WILLIAM R ET AL) 2 May 2000 (2000-05-02) claims 1,6,7,11; figures 1,2 ---	1,10,11
A	US 5 563 483 A (BERNIER DAVID R ET AL) 8 October 1996 (1996-10-08) column 3, line 36 - line 47; figures 1,2 ---	1,10,11
A	US 5 851 050 A (SQUIRE ERIC D ET AL) 22 December 1998 (1998-12-22) -----	

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Further documents are listed in the continuation of box C.

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Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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