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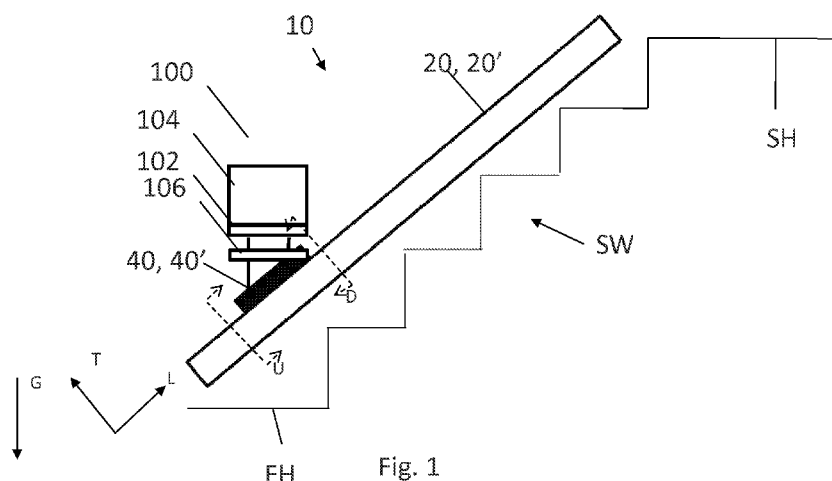
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(54) Title: STAIR LIFT DRIVE SYSTEM



(57) Abstract: A drive system for a stair lift includes a motor, having a motor output configured to rotate about a first axis of rota-
tion and at least one set of gears coupled to the motor output. The assembly further includes a pinion having pinion teeth and
coupled to the at least one set of gears and configured to be driven by the motor so as to rotate about a second axis of rotation so as
to mesh with rack teeth of a rack and move the pinion relative to the rack in a first direction. A first bearing is coupled to the pinion
and has a first bearing surface that rotates with the pinion about the second axis, wherein the first bearing surface is configured to ro-
tate along a rack bearing surface in a second longitudinal direction that is substantially parallel to the first longitudinal direction.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/026380

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B66B 9/08 (2013.01)

USPC - 187/201

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(8) - B66B 9/06, 9/08, 9/16 (2013.01)

USPC - 74/31; 104/89, 94, 119; 105/29.1; 187/12, 200, 201, 202, 240, 241, 245, 270, 290

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
CPC - B66B 9/0815, 9/0846 (2013.01)

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

PatBase, Google Patents, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 197900959 U1 (ANKER) 15 January 1979 (15.01.1979) entire document	1-7, 9-14, 16-18, 25-28
A	US 2006/0288515 A1 (HUTTON et al) 28 December 2006 (28.12.2006) entire document	1-28
A	US 7,281,607 B1 (KIRALY) 16 October 2007 (16.10.2007) entire document	1-28
A	US 5,230,405 A (BARTELT) 27 July 1993 (27.07.1993) entire document	1-28

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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