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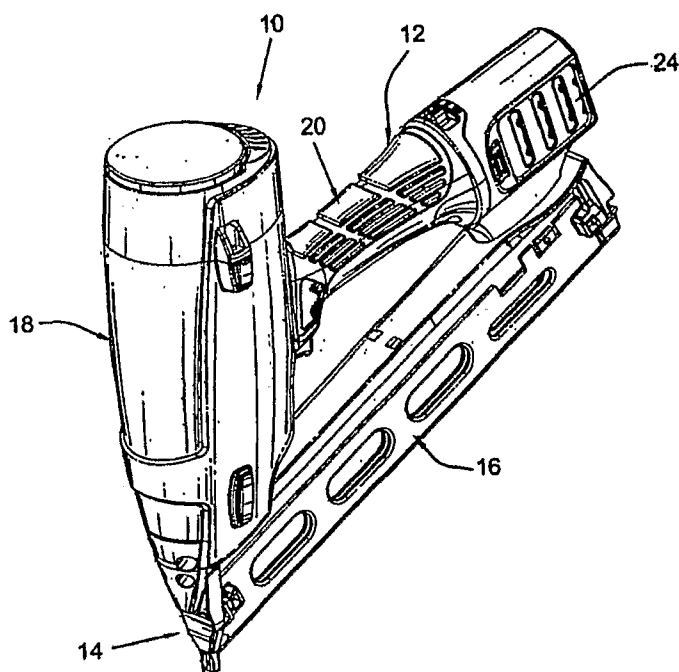
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(54) Title: FASTENER DRIVING DEVICE WITH A PLANETARY GEAR CABLE LIFT AND RELEASE MECHANISM



(57) Abstract: A fastener driving device (10) including a fastener driver displaceable to drive a fastener, a spring adapted to move the fastener driver through a drive stroke, and a cable for compressing the spring and moving the fastener driver through a retraction stroke. The cable may be connected to a drum and a motor is used to rotate the drum to pull the cable and compress the spring. A set of planetary gears and a clutch may be used to connect the motor to the drum.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/12783

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **B25C 1/06(2006.01)**

USPC: 227/132

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. : 227/132, 134

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.
X	US 4,161,272 (BROCKL) 17 July 1979 (17.07.1979), column 5, lines 11-45.	1-2, 4-7, 12-13, 15-16
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Y		3, 8-11, 14, 17-20
X	US 5,511,715 (CRUTCHER et al) 30 April 1996 (30.04.1996), column 8, lines 11-67.	1-4, 7-9, 12-15, 17-18
X	US 3,924,789 (AVERY et al) 09 December 1975 (09.12.1975), column 4, lines 18-35.	1-2, 4, 8-9, 12-13, 15, 17-18
Y	US 6,612,556 B2 (PETRINA) 02 September 2003 (02.09.2003), column 4, lines 32-39.	10-11 and 19-20
Y	US 6,892,827 B2 (TOYAMA et al) 17 May 2005 (17.05.2005), column 4, lines 33-56.	5-6 and 16

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

☐ See patent family annex.

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