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(54) Title: MAST LIFT MACHINE

(57) Abstract: A portable mast lift includes a base unit having a mast and a platform lifting system. A work platform is raised and lowered on the mast of the lifting system. The mast lift is transportable and operable by a single user. In one arrangement, a machine weight of the mast lift is less than 200 lbs. Additionally, the mast lift is preferably supported in use at two support points. Multiple embodiments of the mast lift provide for varying maximum reach and load limits.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/14356

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B66F 9/06, 9/16; E04C 1/00, 5/00; E06C 1/00, 5/00; E04G 1/18, 1/22
US CL : 187/226, 232, 240, 244; 182/63.1, 69.4, 69.6, 141, 148

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. : 187/226, 232, 240, 244; 182/63.1, 69.4, 69.6, 141, 148

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 3,313,376 (Holland) 11 April 1967 (11.04.1967)	1, 17, 18
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Y		2-16, 19-24
Y	US 5,927,440 (Freeman) 27 July 1999 (27.07.1999)	1, 2, 4, 5, 20, 22, 24
Y	GB 2 211 237 (Blackmore) 28 June 1989 (28.06.1989)	7, 11, 13
Y	US 5,111,907 (Kishi) 12 May 1992 (12.05.1992)	2, 7-10
Y	US 5,425,433 (Huber) 20 June 1995 (20.06.1995)	1-5, 7-10, 20, 22, 24
Y	US 5,803,204 (White et al.) 8 September 1998 (08.09.1998)	1, 2, 7-10, 19, 20, 22, 24
Y	US 4,512,440 (Bixby) 23 April 1985 (23.04.1985)	1, 7, 11, 13, 20, 22, 24
Y	US 6,779,635 (Anibas) 24 August 2004 (24.08.2004)	4, 6

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☐ See patent family annex.

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