

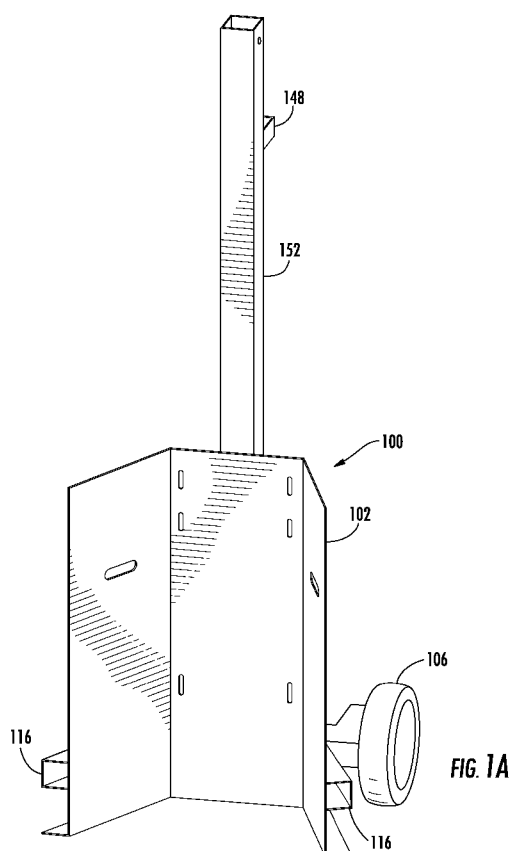


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[Continued on next page]

(54) Title: POLE LIFTING AND SETTING DEVICE

(57) Abstract: The invention provides a pole lifting apparatus. The pole lifting apparatus including a base section having a base plate; one or more mast sections connected to the base section and extendable in an axial manner therewith, wherein an uppermost mast section of the one or more mast sections comprises a pulley mounted at its uppermost end; and a hoist secured to the base section and having a wire rope operably associated with the one or more mast sections and pulley for use in a pole lifting operation.





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## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2012/042447****A. CLASSIFICATION OF SUBJECT MATTER****B66F 9/06(2006.01)i, B66F 7/02(2006.01)i**

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: B66F 11/00, B66F 1/00, B66D 3/00, B66F 9/06

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; keywords: pole, mast, hoist, lift, lower, wire and strap

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                    | Relevant to claim No. |
|-----------|-----------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 6554254 B2 (VETESNIK, JAN) 29 April 2003                                                                           | 1,3-13,16,22-40       |
| Y         | See abstract, column 3, lines 23-49, column 5, lines 23-31, claim 1 and figures 1-4.                                  | 2,14-15,17,41         |
| Y         | US 6709215 B1 (SORENSEN, JAY A.) 23 March 2004<br>See abstract, column 4, lines 17-34, claims 1,16 and figures 1,12.  | 2,14-15,17,41         |
| A         | US 2004-0076501 A1 (MCGILL, DENNIS E. et al.) 22 April 2004<br>See abstract, paragraph 0022, claim 1 and figures 1,8. | 1-41                  |
| A         | US 4620693 A (VIALARS, JACQUES et al.) 4 November 1986<br>See abstract, column 2, lines 22-46, claim 1 and figure 1.  | 1-41                  |
| A         | JP 08-104499 A (MISAWAHOMES CO., LTD.) 23 April 1996<br>See abstract, paragraphs 0024,0025, claim 1 and figures 2,4.  | 1-41                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/042447**

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)                                                      | Publication<br>date                                  |
|-------------------------------------------|---------------------|---------------------------------------------------------------------------------|------------------------------------------------------|
| US 6554254 B2                             | 29.04.2003          | EP 1270493 A1<br>US 2003-0006403 A1                                             | 02.01.2003<br>09.01.2003                             |
| US 6709215 B1                             | 23.03.2004          | None                                                                            |                                                      |
| US 2004-0076501 A1                        | 22.04.2004          | US 2002-0067983 A1<br>US 2002-0114689 A1<br>US 2007-0292252 A1<br>US 6406248 B1 | 06.06.2002<br>22.08.2002<br>20.12.2007<br>18.06.2002 |
| US 04620693 A                             | 04.11.1986          | EP 0132205 A1<br>JP 60-067400 A                                                 | 23.01.1985<br>17.04.1985                             |
| JP 08-104499 X2                           | 23.04.1996          | None                                                                            |                                                      |