



- (51) **International Patent Classification:**
B66C 23/697 (2006.01)
- (21) **International Application Number:**
PCT/US2012/030299
- (22) **International Filing Date:**
23 March 2012 (23.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/075,413 30 March 2011 (30.03.2011) US
- (71) **Applicant (for all designated States except US):** GENIE INDUSTRIES, INC. [US/US]; 18340 NE 76th Street, Redmond, Washington 98052 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant (for US only):** LETTAU, Randell, J. [US/US]; 14604 450th Avenue S.E., North Bend, Washington 98045 (US).
- (74) **Agents:** STUENKEL, Mark, E. et al.; Brooks Kushman P.C., 1000 Town Center, Twenty-Second Floor, Southfield, Michigan 48075 (US).
- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Declarations under Rule 4.17:**
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

[Continued on next page]

(54) **Title:** WEARPAD ARRANGEMENT

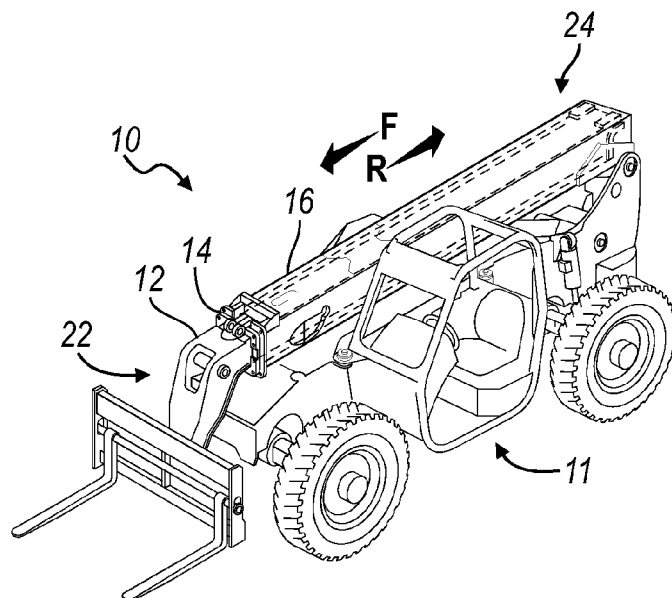


FIG. 1

(57) **Abstract:** A boom assembly includes a first boom member and a second boom member slidable relative to the first member in a first direction. A stop member that at least partially defines a receptacle is attached to the first member. A closure member is attachable to the first member in a fixed position and movable away from the fixed position. A planar wearpad is insertable into the receptacle in the first direction when the closure member is moved away from the fixed position and the second member is positioned on the first member. The stop and closure members inhibit lateral movement of the wearpad in a direction parallel to the plane of the wearpad, and allow movement of the wearpad in a direction transverse to the plane, when the wearpad is positioned in the receptacle. The second member inhibits movement of the wearpad in the direction transverse to the plane.



-
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
 - *of inventorship (Rule 4.17(iv))*

Published:

- *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:
1 May 2014

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2012/030299

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B66C 23/697 (2012.01)

USPC - 384/35

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) - B66C 23/697, 23/70 (2012.01)

USPC - 52/117, 118, 632; 384/7, 26, 35, 42; 414/718

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)

PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ---	US 4,045,936 A (STERNER) 06 September 1977 (06.09.1977) entire document	1, 3-7, 10-15, 17, 19 ---
Y		2
Y	EP 0 054 368 A2 (EDWARDS) 23 June 1982 (23.06.1982) entire document	2
A	US 3,620,579 A (BROWN et al) 16 November 1971 (16.11.1971) entire document	1-20
A	US 6,601,719 B2 (HARRINGTON) 05 August 2003 (05.08.2003) entire document	1-20
A	US 3,719,403 A (SUNG) 06 March 1973 (06.03.1973) entire document	1-20
A	US 4,257,201 A (LANDOLT et al) 24 March 1981 (24.03.1981) entire document	1-20
A	US 3,690,742 A (SUNG) 12 September 1972 (12.09.1972) entire document	1-20

☐ 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

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"&" document member of the same patent family

Date of the actual completion of the international search

08 June 2012

Date of mailing of the international search report

20 JUN 2012

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774