(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 27 January 2005 (27.01.2005)

(10) International Publication Number WO 2005/008078 A3

(51) International Patent Classification: *B23D 21/06* (2006.01) *B23D 47/04* (2006.01)

(21) International Application Number:

PCT/US2004/021827

(22) International Filing Date: 9 July 2004 (09.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/485,749

10 July 2003 (10.07.2003) US

(71) Applicant and

(72) Inventor: WICKLUND, James, Vanerd, Jr. [US/US]; 94-363 Puaahi Place, Mililani, Hawaii 96789 (US).

(74) Agent: SLATTERY, James, M.; Birch, Stewart, Kolasch & Birch, LLP, P.O. Box 747, Falls Church, VA 22040-0747 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

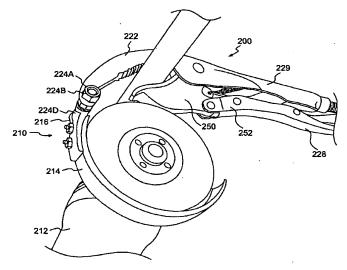
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 23 August 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CLAMPING PLIERS



(57) Abstract: A clamping tool for use with a power tool includes a housing mounted on a power tool. The housing includes at least one engaging portion. The locking pliers includes a retaining section with a proximal end and a distal end. The proximal end is mounted on the at least one engaging portion for retain the locking pliers in a selectively, releasably, rotational relationship relative to the housing. An engaging section of the locking pliers is mounted relative to the retaining section and is selectively locked relative to the distal end of the retaining section for positioning an article therebetween. In two embodiments, after an article is locked in the locking pliers, the locking pliers can be rotated either away from or towards the housing to permit the power tool to come into engagement with an article.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/21827

| A. CLASSIFICATION OF SUBJECT MATTER | | | | |
|---|---|---|-----------------------------|--|
| IPC: | IPC: B23D 21/06(2006.01) | | | |
| B23D 47/04(2006.01) | | | | |
| USPC: | 30/388,370.371,378,92 | | | |
| According to | International Patent Classification (IPC) or to both nat | ional classification and IPC | | |
| | | | | |
| | | | | |
| B. FIELDS SEARCHED | | | | |
| Minimum documentation searched (classification system followed by classification symbols) | | | | |
| U.S.: Please See Continuation Sheet | | | | |
| | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | |
| | | | | |
| | | | | |
| | | | | |
| Electronic dat | a base consulted during the international search (name | of data base and, where practicable, search | terms used) | |
| EAST | | | | |
| | | | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | |
| Category * | Citation of document, with indication, where a | | Relevant to claim No. | |
| x | US 3.284.895 A (SELANDER et al.) 15 November I | 966 (15.11.1966), Figs. 5-8. | 1-3, 5, 7, 9, 11-13, 15 | |
| Y | | | and 17 | |
| · | | | 4, 8, 10, 14 and 18-19 | |
| Y | US 3,093,023 A (VAIL) 11 June 1963 (11.06.1963). Figs. 1-3. | | 4. 8, 10. 14 and 18 | |
| Y | US 4,633,862 A (PETERSEN) 06 January 1987 (06.01.1987). Figs. 1-3. | | 19 | |
| Α | US 5,303,471 A (LIBERATOSCIOLI) 19 April 1994 (19.04,1994), Figs. 1-5. | | 1-19 | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | · | | |
| | | | | |
| | documents are listed in the continuation of Box C. | See patent family annex. | | |
| • S ₁ | pecial categories of cited documents: | "1" later document published after the inter date and not in conflict with the applica | | |
| | defining the general state of the art which is not considered to be of | principle or theory underlying the inven | | |
| particular | relevance | "X" document of particular relevance; the cl | aimed invention cannot be | |
| "E" carlier app | plication or patent published on or after the international filing date | considered novel or cannot be considered when the document is taken alone | | |
| | which may throw doubts on priority claim(s) or which is cited to | | | |
| establish t specified) | the publication date of another citation or other special reason (as | "Y" document of particular relevance; the cl considered to involve an inventive step | | |
| , | | combined with one or more other such | documents, such combination | |
| | referring to an oral disclosure, use, exhibition or other means | being obvious to a person skilled in the | art | |
| "P" document published prior to the international filing date but later than the priority date claimed | | "&" document member of the same patent for | amily | |
| | | | report | |
| 15 May 2007 (15.05.2007) | | Dath of mailing of the jumpational search | . | |
| | nling address of the ISA/US | Authorized officer | | |
| Mail Stop PCT, Attn: ISA/US | | Charger Alia I have see M. M. sees Fell | | |
| Commissioner for Patents P.O. Box 1450 | | Ghassem Alie Sharen D. Breeze Jal | | |
| Alexandria, Virginia 22313-1450 | | Telephone No. (571) 272-4501 | Ì | |
| Facsimile No. (571) 273-3201 | | | | |

Form PCT/ISA/210 (second sheet) (April 2005)

| INTERNATIONAL SEARCH REPORT | International application No. PCT/US04/21827 | | | |
|---|--|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Continuation of B, FIELDS SEARCHED Item 1: | · | | | |
| Continuation of B. FIELDS SEARCHED Item 1: 30/388,370,371,378,92,166.3,520,93,95,97,12.3,505,124,277.1.369,372,90.1.90.4.90.8,90.2: 269/96; 81/346,63.1.9.44.9.4.9.43; 7/107 | | | | |
| · | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Form PCT/ISA/210 (extra sheet) (April 2005)