

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035201 A3

- (51) International Patent Classification:
B25B 23/144 (2006.01)
- (21) International Application Number:
PCT/US2004/031765
- (22) International Filing Date:
28 September 2004 (28.09.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/508,744 3 October 2003 (03.10.2003) US
- (71) Applicant (for all designated States except US):
SNAP-ON INCORPORATED [US/US]; 10801 Corporate Drive, Pleasant Prairie, WI 53158 (US).

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.

- (72) Inventors: **CUTLER, Brian**; 2714 Batson Avenue, Rowland Heights, CA 91748 (US). **BUVAN, David**; 6781 Truman St., Chino, CA 91710 (US). **DAVIS, Charles**; 2802 Windlock Rd., Torrance, CA 90505 (US). **PAVLAKOVICH, Zoltan**; 2019 Mt. Shasta Drive, San Pedro, CA 90327 (US).
- (74) Agent: **STRATMAN, J., Terry**; Seyfarth Shaw LLP, 55 East Monroe, Suite 4200, Chicago, IL 60603 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

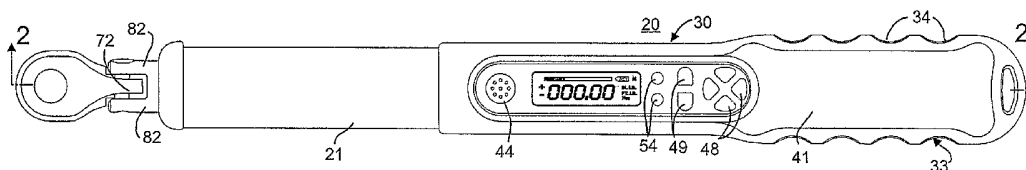
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, 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:
8 June 2006

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: ERGONOMIC ELECTRONIC TORQUE WRENCH



(57) Abstract: An electronic torque wrench has a tubular core with elongated apertures therein which respectively removably receive user interface assembly and power assembly modules, the modules being exposed through openings in a surrounding grip sheath. A workpiece-engaging head is coupled to a beam member which may received in a tapered opening in a shim member received in an end of the tube. A sensor on the beam member is connected by wires extending to the user interface assembly, which in turn has a display device producing a bar graph display indicating the proximity of a measured torque value to a preset torque level.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/31765

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **B25B 23/144**(2006.01)

USPC: 81/479
 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. : 81/479, 467, 478, 177.1, 177.7, 177.8; 72/862.21-862.23

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)
 EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,463,811 B1 (PUTNEY) 15 OCTOBER 2002 (15.10.2002) ENTIRE DOCUMENT	1-23
A	4,982,612 A (RITTMANN) 08 JANUARY 1991 (08.01.1991) ENTIRE DOCUMENT	1-23
A	4,125,016 A (LEHOCZKY ET AL) 14 NOVEMBER 1978 (14.11.1978) ENTIRE DOCUMENT	1-23

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

Date of the actual completion of the international search 06 March 2006 (06.03.2006)	Date of mailing of the international search report 28 MAR 2006
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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 Hadi Shakeri Telephone No. 571-272-4495
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