



US00D586193S

(12) **United States Design Patent**
Escoe et al.

(10) **Patent No.:** **US D586,193 S**
(45) **Date of Patent:** **** Feb. 10, 2009**

(54) **ELECTRONIC TORQUE WRENCH**

(75) Inventors: **T. Kenneth Escoe**, Randallstown, MD (US); **Awad Aly Gharib**, Cockeysville, MD (US)

(73) Assignee: **Easco Hand Tools, Inc.**, Simsbury, CT (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/317,111**

(22) Filed: **Apr. 23, 2008**

5,315,501 A	5/1994	Whitehouse
D348,819 S	7/1994	Craig
D351,653 S	10/1994	Koros et al.
D358,642 S	5/1995	Michelson
5,537,877 A	7/1996	Hsu
5,589,644 A	12/1996	Becker et al.
5,873,148 A	2/1999	Arnold
6,070,506 A	6/2000	Becker
6,119,562 A	9/2000	Jenkins
6,167,788 B1	1/2001	Schonberger et al.
6,276,243 B1	8/2001	Jenkins
D453,222 S	1/2002	Garito et al.
6,345,436 B1	2/2002	Codrington
D457,955 S	5/2002	Bilitz
6,526,853 B2	3/2003	Jenkins

(Continued)

Related U.S. Application Data

(62) Division of application No. 29/291,934, filed on Sep. 20, 2007, now Pat. No. Des. 571,626.

(51) **LOC (9) Cl.** **08-05**

(52) **U.S. Cl.** **D8/24**

(58) **Field of Classification Search** D8/17, D8/21-29, 52, 55, 81-87, 102-107, 98, 99, D8/93, 94; 81/119, 121.1, 86, 124.2, 125, 81/125.1, 176.1, 176.2, 177.1, 177.2, 177.3, 81/177.85, 124.3, 124.7, 176.3, 179, 160, 81/3.57, 3.55, 58.4, 186, 58.3, 300, 58.1, 81/60-63.2, 165-170, 110.1, 124.6, 176.15, 81/121.7, 436, 437, 418, 177.8, 177.9, 185.1, 81/3.4, 177.4, 492, 57, 58, 13, 177.7, 490, 81/415-423, 427.5; 140/119; 16/422, 186, 16/429, 430; D24/133, 144, 147
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,257,263 A	3/1981	Herrgen
4,397,196 A	8/1983	Lemelson
4,558,601 A	12/1985	Stasiak et al.
4,641,538 A	2/1987	Heyraud
4,643,030 A	2/1987	Becker et al.
D338,955 S	8/1993	Gresl et al.

Primary Examiner—Raphael Barkai

Assistant Examiner—Randall H Gholson

(74) *Attorney, Agent, or Firm*—Nelson Mullins Riley & Scarborough, LLP

(57) **CLAIM**

The ornamental design of an electronic torque wrench, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an electronic torque wrench embodying the design of the present invention;

FIG. 2 is a bottom elevation view of the electronic torque wrench illustrated in FIG. 1;

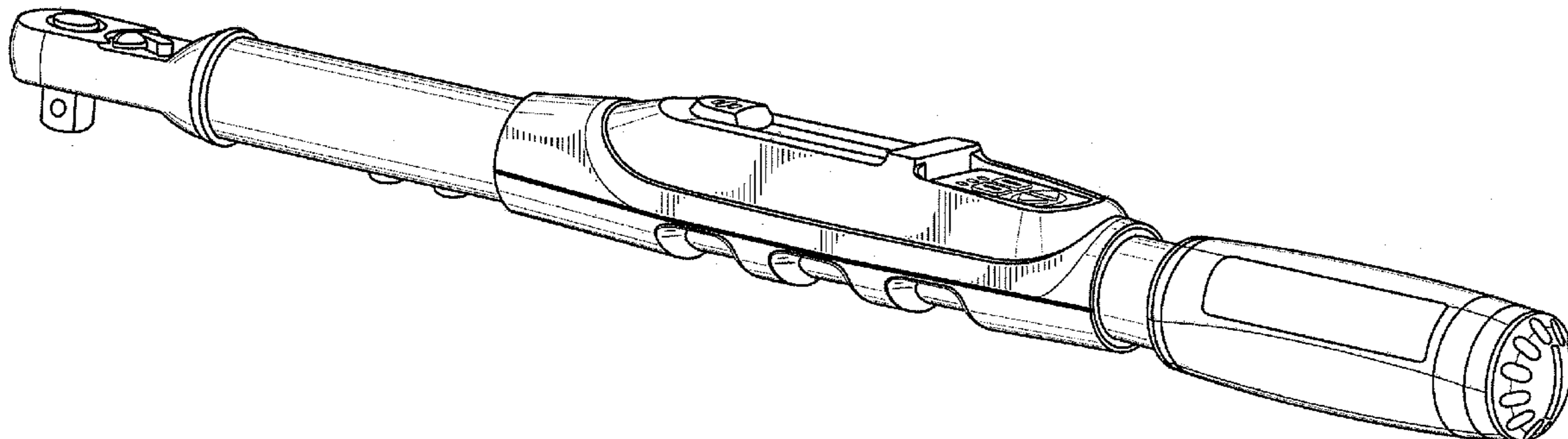
FIG. 3 is a top elevation view of the electronic torque wrench shown in FIG. 1;

FIG. 4 is a left side view of the electronic torque wrench shown in FIG. 1; and,

FIG. 5 is a right side view of the electronic torque wrench shown in FIG. 3.

Broken lines are for illustrative purposes and form no part of the claim.

1 Claim, 3 Drawing Sheets



US D586,193 S

Page 2

U.S. PATENT DOCUMENTS

6,698,298 B2	3/2004	Tsuji et al.	7,089,834 B2	8/2006	Reynertson et al.
D497,294 S	10/2004	Becker et al.	7,107,884 B2	9/2006	Cutler et al.
6,968,759 B2	11/2005	Becker et al.	D530,166 S	10/2006	Becker et al.
6,981,436 B2	1/2006	Becker et al.	D535,396 S	1/2007	Reschke et al.
7,000,508 B2	2/2006	Li et al.	2002/0170395 A1	11/2002	Wang et al.
D520,309 S	5/2006	Hsien	2002/0178876 A1	12/2002	Wang et al.
7,047,849 B2	5/2006	Lai	2005/0092143 A1	5/2005	Lehnert et al.
7,082,865 B2	8/2006	Reynertson, Jr.	2005/0223856 A1	10/2005	Reynertson et al.
7,082,866 B2	8/2006	Becker	2007/0051186 A1	3/2007	Gharib et al.
			2007/0119269 A1	5/2007	Anjanappa et al.

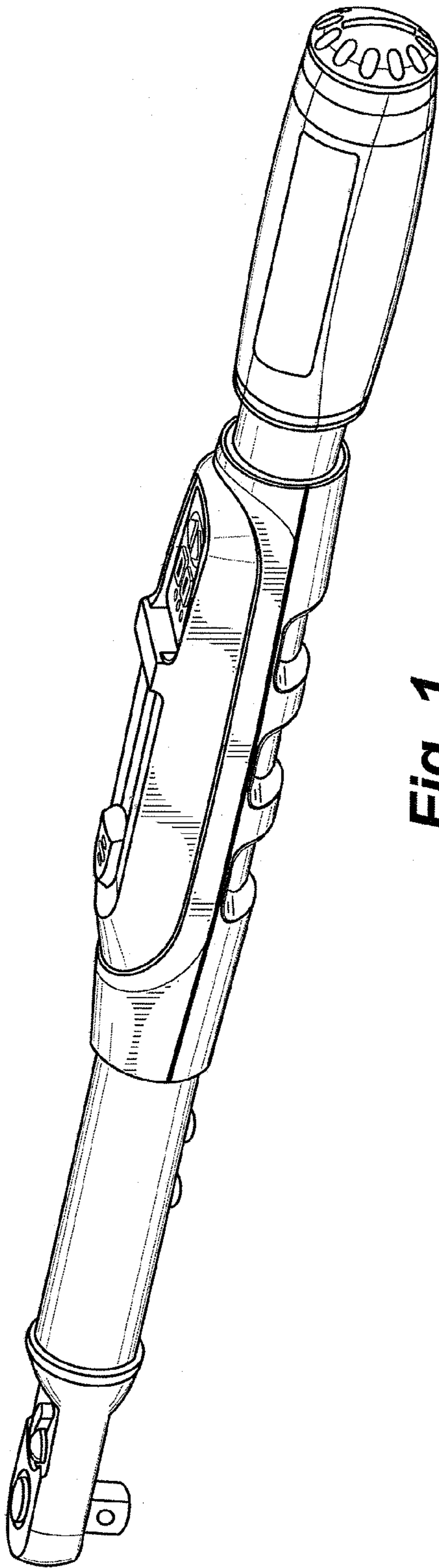


Fig. 1

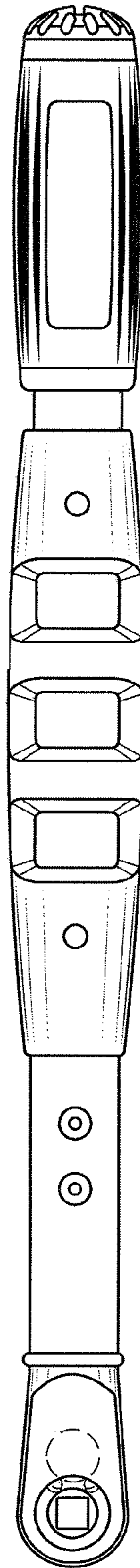


Fig. 2

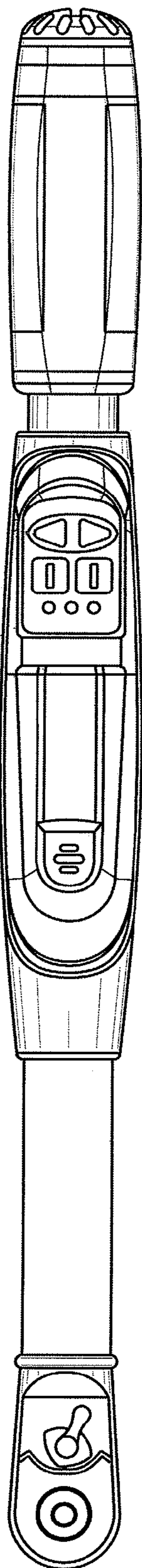


Fig. 3

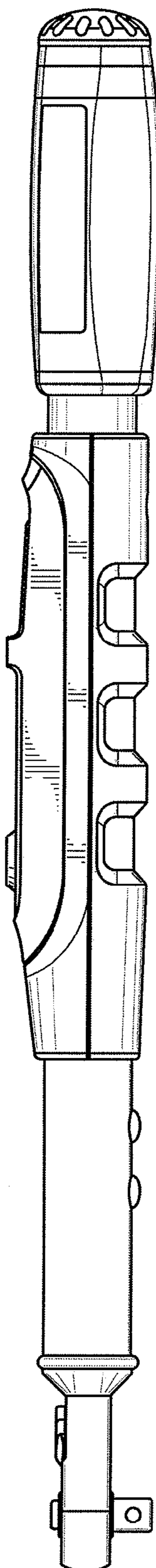


Fig. 4

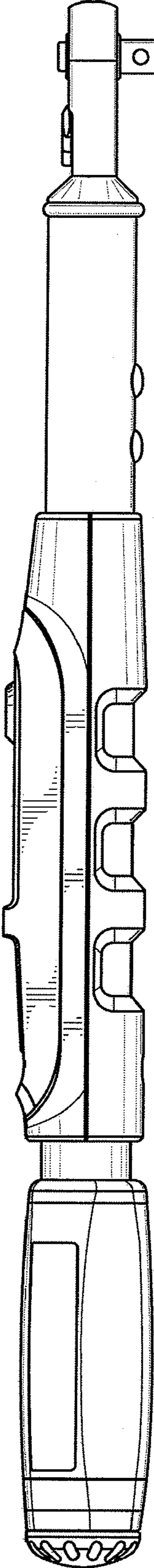


Fig. 5