



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

(10) **Patent No.:** **US D996,166 S**  
(45) **Date of Patent:** **\*\* Aug. 22, 2023**

- (54) **BLADE FOR A RECIPROCATING SAW**
- (71) Applicant: **MILWAUKEE ELECTRIC TOOL CORPORATION**, Brookfield, WI (US)
- (72) Inventors: **Austin J. Kazda**, Wauwatosa, WI (US);  
**Ryan J. Malloy**, Milwaukee, WI (US);  
**Robert W. Butzen**, Colgate, WI (US);  
**Andrew J. Schulz**, Slinger, WI (US);  
**Roger D. Neitzell**, Palmyra, WI (US);  
**Courtney D. McCool**, Menomonee Falls, WI (US)
- (73) Assignee: **MILWAUKEE ELECTRIC TOOL CORPORATION**, Brookfield, WI (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/755,877**
- (22) Filed: **Oct. 23, 2020**

**Related U.S. Application Data**

- (63) Continuation of application No. 29/724,247, filed on Feb. 13, 2020, now Pat. No. Des. 903,449, which is a continuation of application No. 29/690,636, filed on May 9, 2019, now Pat. No. Des. 903,448, and a continuation of application No. 29/690,636, filed on May 9, 2019, now Pat. No. Des. 903,448, which is a continuation of application No. 13/782,995, filed on Mar. 1, 2013, now Pat. No. 10,293,422.
- (51) **LOC (14) Cl.** ..... **08-03**
- (52) **U.S. Cl.**  
USPC ..... **D8/20**
- (58) **Field of Classification Search**  
USPC ..... D8/20, 65, 95; D15/133  
CPC ..... B27B 19/006; B27B 11/00; B23D 51/10;  
B23D 61/006; B23D 61/12; B23D 61/125; B23D 61/123; B23D 49/00;  
B23D 65/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

304,715 A	9/1884	Emerson
511,473 A	12/1893	Szekely
522,749 A	7/1894	Bedell

(Continued)

FOREIGN PATENT DOCUMENTS

DE	3838844	5/1990
DE	4316454	11/1994

(Continued)

OTHER PUBLICATIONS

2" Carbide Grit Hole Saw 49-56-0444, Milwaukee Electric Tool Company, Retrieved from Internet on Feb. 29, 2012 <URL: <http://www.milwaukeeetool.com/accessories/drilling/49-56-0444>>.

(Continued)

*Primary Examiner* — Calvin E Vasant  
*Assistant Examiner* — Benjamin Lucas Gray  
(74) *Attorney, Agent, or Firm* — Michael Best & Friedrich LLP

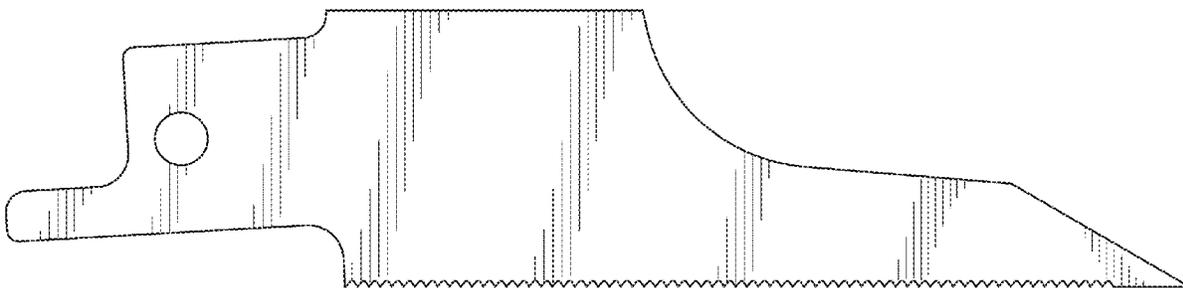
(57) **CLAIM**

We claim the ornamental design for a blade for a reciprocating saw, as shown and described.

**DESCRIPTION**

FIG. 1 is front view of a blade for a reciprocating saw according to one embodiment with the back view being a mirror image; and, FIG. 2 is another front and back view of a blade for a reciprocating saw according to another embodiment with the back view being a mirror image. The dashed broken lines depict portions of the blade for a reciprocating saw that form no part of the claimed design. The dot-dash broken lines represent the boundary of the claimed design and form no part of the claim.

**1 Claim, 2 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

709,857	A	9/1902	Anderson	6,145,426	A	11/2000	Ward et al.
770,094	A	9/1904	McGill	6,149,510	A	11/2000	Romagnoli
807,227	A	12/1905	Wuest	D442,053	S	5/2001	Jimenez
865,348	A	9/1907	Allison	6,237,179	B1	5/2001	Balceiro
942,920	A	12/1909	Martin	6,260,825	B1	7/2001	Willis
D44,561	S *	8/1913	Gouck	6,283,843	B1	9/2001	Romagnoli
1,855,311	A	4/1932	Rasner	D448,634	S	10/2001	Hickman
2,256,847	A	9/1941	Osenberg	6,357,122	B2	3/2002	Bachta
D170,202	S	8/1953	Knapp	6,393,701	B1	5/2002	Fuchs et al.
2,781,578	A	2/1957	Guilfoyle	6,401,585	B1	6/2002	Morgan
2,962,798	A	12/1960	Gaskins	6,442,781	B1	9/2002	Chen
3,005,478	A	10/1961	Laviano	D465,138	S *	11/2002	Raines
3,028,889	A	4/1962	McCarthy	6,481,691	B1	11/2002	Irving
3,033,251	A	5/1962	Atkinson et al.	6,497,046	B1	12/2002	Bardeen et al.
3,213,910	A	10/1965	Corlise	D479,107	S	9/2003	Rack
3,262,475	A	7/1966	Sweet	D479,447	S	9/2003	Rack
3,285,136	A	11/1966	Ritter et al.	D482,945	S	12/2003	Grolimund
3,395,414	A	8/1968	Malin	6,668,463	B2	12/2003	Dewberry
3,572,409	A	3/1971	Hoffman	D484,759	S	1/2004	Rack
3,596,525	A	8/1971	Niesz	D485,140	S	1/2004	Rack
3,680,610	A	8/1972	Lindgren	D485,141	S	1/2004	Rack
3,727,258	A	4/1973	Brueck	D485,142	S	1/2004	Rack
3,837,024	A	9/1974	Saunders	D485,479	S	1/2004	Rack
3,905,105	A	9/1975	Tuke	6,678,959	B1	1/2004	Phillip et al.
3,914,906	A	10/1975	Barnes	6,751,875	B2	6/2004	Jones
3,977,289	A	8/1976	Tuke	6,754,967	B2	6/2004	Lovell et al.
4,083,112	A	4/1978	Palm	D493,340	S	7/2004	Pyatt
4,131,996	A	1/1979	Janke	6,782,781	B2	8/2004	Rack
4,271,592	A	6/1981	Hoptner	6,829,973	B1	12/2004	Yang
4,297,921	A	11/1981	Wydra	6,871,405	B2	3/2005	Reale et al.
4,339,977	A	7/1982	Miller	6,877,751	B2	4/2005	Hsing
4,365,397	A	12/1982	Felpel	6,886,261	B2	5/2005	Haut
4,458,421	A	7/1984	Lew	6,887,139	B2	5/2005	Jennette
4,661,195	A	4/1987	Hopson	6,938,531	B2	9/2005	Yoshimizu
4,787,146	A	11/1988	Gaskins	7,036,415	B2	5/2006	Tsujimoto
4,802,396	A	2/1989	Kuklinski	D527,233	S	8/2006	Burke
4,870,757	A	10/1989	Kirkpatrick et al.	7,127,979	B2	10/2006	Kocher et al.
4,984,369	A	1/1991	Flint et al.	D534,401	S	1/2007	Duffin et al.
5,009,012	A	4/1991	Martinez et al.	7,232,112	B2	6/2007	Foster
5,042,592	A	8/1991	Fisher	7,251,895	B2	8/2007	Kurtz et al.
5,095,623	A	3/1992	Williams	7,269,867	B2	9/2007	Karlstedt
5,097,578	A	3/1992	Jandl	D551,923	S	10/2007	Ammann
5,224,231	A	7/1993	Nacar	7,285,038	B1	10/2007	Jioia
5,265,340	A	11/1993	Nitz et al.	D554,452	S	11/2007	Ammann
5,295,426	A	3/1994	Planchon	D555,444	S	11/2007	Ammann
5,303,471	A	4/1994	Liberatoscioli	D565,369	S	4/2008	Dawson
5,353,465	A	10/1994	Pierce et al.	7,451,677	B2	11/2008	Souza et al.
D356,020	S	3/1995	Costa	7,487,704	B2	2/2009	Souza et al.
5,398,360	A	3/1995	Alexander	7,540,091	B2	6/2009	Fladgard et al.
5,448,833	A	9/1995	Coon	7,600,458	B2	10/2009	Hampton et al.
5,480,507	A	1/1996	Arnold	7,631,584	B2	12/2009	Quinn
5,513,709	A	5/1996	Fisher	7,661,195	B1	2/2010	Wood et al.
5,517,889	A	5/1996	Logan	7,765,631	B2	8/2010	Fisher
5,615,746	A	4/1997	Chu	7,779,500	B1	8/2010	Greer
5,640,772	A	6/1997	Roker et al.	D623,490	S *	9/2010	Lauber
5,658,193	A	8/1997	McCambridge	7,818,887	B2	10/2010	Saegesser et al.
5,678,292	A	10/1997	Kimbel et al.	7,984,914	B1	7/2011	Paulsen
5,687,484	A	11/1997	Hahn	8,365,419	B2	2/2013	Bernardi et al.
5,697,835	A	12/1997	Nitz et al.	D686,049	S *	7/2013	Ji
5,809,657	A	9/1998	Mortensen	8,689,667	B2 *	4/2014	Butzen
5,829,082	A	11/1998	Moreira	8,926,410	B2	1/2015	Kalomeris et al.
5,833,014	A	11/1998	Dunn	D725,450	S	3/2015	Hampton et al.
D402,516	S	12/1998	Okada	D732,914	S *	6/2015	Hampton
5,842,278	A	12/1998	Gmeilbauer	D764,247	S *	8/2016	McQuillan
5,901,451	A	5/1999	Nakayama	9,827,626	B2 *	11/2017	Kazda
5,901,951	A	5/1999	Yamaguchi	D835,956	S *	12/2018	Felton
5,918,525	A	7/1999	Schramm	10,189,099	B2 *	1/2019	Butzen
5,957,765	A	9/1999	Kimbel et al.	D875,488	S *	2/2020	Bloom
5,964,039	A	10/1999	Mizoguchi et al.	D909,159	S *	2/2021	Heath
5,979,058	A	11/1999	Henke	D911,796	S *	3/2021	Chollet
6,021,573	A	2/2000	Kikuchi et al.	11,141,805	B2 *	10/2021	Butzen
6,059,475	A	5/2000	Jafarmadar	2001/0039738	A1	11/2001	Bachta
D427,865	S	7/2000	Mills, Jr.	2002/0029484	A1	3/2002	Takeuchi
6,120,363	A	9/2000	Dunn	2002/0144411	A1	10/2002	Brooks
6,125,544	A	10/2000	Eriksson et al.	2003/0014836	A1	1/2003	Kocher et al.
				2003/0014869	A1	1/2003	Rack
				2003/0177646	A1	9/2003	Watanabe
				2004/0163264	A1	8/2004	Simonz

(56)

References Cited

U.S. PATENT DOCUMENTS

2004/0187320 A1 9/2004 Haut  
 2004/0194324 A1 10/2004 Youn-Chyuan  
 2004/0221405 A1 11/2004 Manfredi  
 2005/0199117 A1 9/2005 Quinn  
 2005/0211023 A1 9/2005 Kalo  
 2005/0235799 A1 10/2005 Hampton et al.  
 2005/0262702 A1 12/2005 Hawthorn  
 2005/0262709 A1 12/2005 Polk, Sr.  
 2006/0016315 A1 1/2006 Zorich et al.  
 2006/0037199 A1 2/2006 Alpert  
 2006/0086218 A1 4/2006 Quinn  
 2006/0112566 A1 6/2006 Peterson et al.  
 2006/0137498 A1 6/2006 Bowling  
 2006/0254044 A1 11/2006 Hao  
 2007/0033812 A1 2/2007 Kimura  
 2007/0157476 A1 7/2007 Hunt  
 2008/0017009 A1 1/2008 Setliff  
 2008/0115367 A1 5/2008 Glynn  
 2008/0235955 A1 10/2008 Rosso et al.  
 2008/0276470 A1 11/2008 Ritter et al.  
 2009/0004997 A1 1/2009 Allen et al.  
 2009/0044679 A1 2/2009 Souza et al.  
 2009/0049973 A1 2/2009 Huffer et al.  
 2009/0119930 A1 5/2009 Collins  
 2009/0261539 A1 10/2009 Paulsen  
 2009/0320299 A1 12/2009 Kuhn et al.  
 2010/0011594 A1 1/2010 Wysk et al.  
 2010/0218389 A1 9/2010 Kalomeris et al.  
 2010/0218655 A1\* 9/2010 Gillette ..... B23D 61/123  
 83/56  
 2010/0300719 A1 12/2010 Fisher  
 2011/0179930 A1 7/2011 Brown et al.  
 2011/0259168 A1 10/2011 Butzen et al.  
 2011/0314680 A1 12/2011 Zhang et al.  
 2012/0042765 A1 2/2012 Kazda et al.  
 2012/0047659 A1 3/2012 Murphy

2012/0073148 A1 3/2012 Sergyeyenko et al.  
 2012/0090443 A1 4/2012 Butzen et al.  
 2012/0204353 A1 8/2012 Chu  
 2012/0255180 A1 10/2012 Powers et al.  
 2012/0299254 A1 11/2012 Wanstrath  
 2013/0174701 A1 7/2013 Elliston et al.  
 2013/0227844 A1 9/2013 Kazda et al.  
 2013/0228059 A1 9/2013 Kazda et al.  
 2013/0239418 A1 9/2013 Kehoe  
 2013/0255016 A1 10/2013 Berney et al.  
 2014/0260879 A1\* 9/2014 Grolimund ..... B23D 61/12  
 83/835  
 2017/0120356 A1\* 5/2017 George ..... B23D 49/16  
 2020/0198033 A1\* 6/2020 Heath ..... B23D 61/123

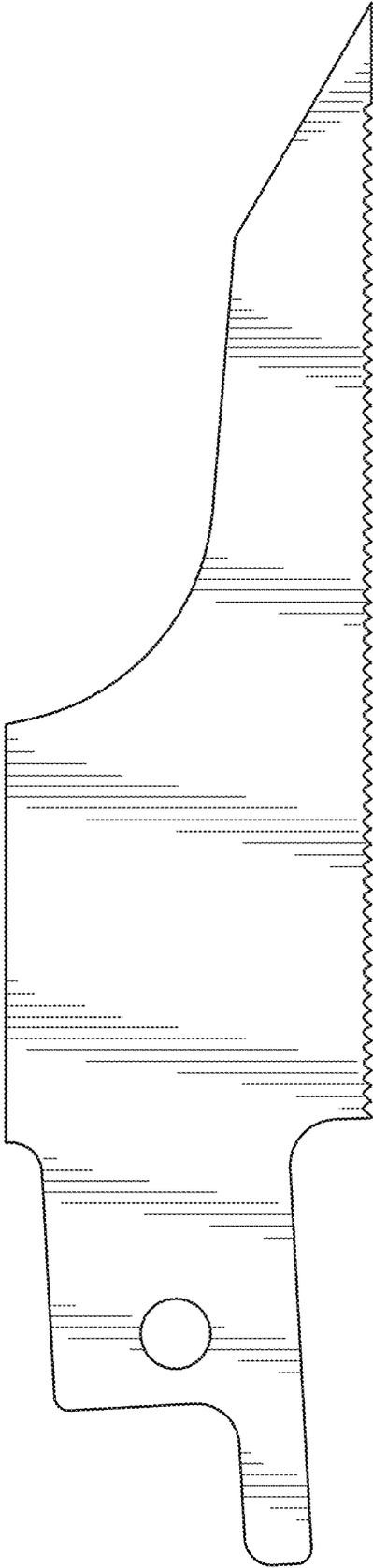
FOREIGN PATENT DOCUMENTS

EP 0779123 6/1997  
 GB 2439291 12/2007

OTHER PUBLICATIONS

Reciprocating Saw Blade, SAF-T-KUT, Retrieved from Internet on Jun. 28, 2011 <URL: <http://www.saf-t-kut.com/products/reciprocating-saw-blade/>>.  
 Reciprocating Saw Blades, WILPU Sageblatter, Retrieved from Internet on Feb. 26, 2013 <URL: <http://wilpu.com/en/products/reciprocating-saw-blades/>>.  
 Dewalt Folding Jab Saw And Rasp, known at least as early as Feb. 10, 2012, 1 page.  
 "How-To's for all Band Saw Blades" The Olson Saw Company, Bethel, CT © 2001.  
 United States Patent Office Action For U.S. Appl. No. 13/783,003 dated Dec. 30, 2015 (7 pages).  
 United States Patent Office Action For U.S. Appl. No. 13/782,995 dated Dec. 1, 2016 (12 pages).

\* cited by examiner



**FIG. 1**

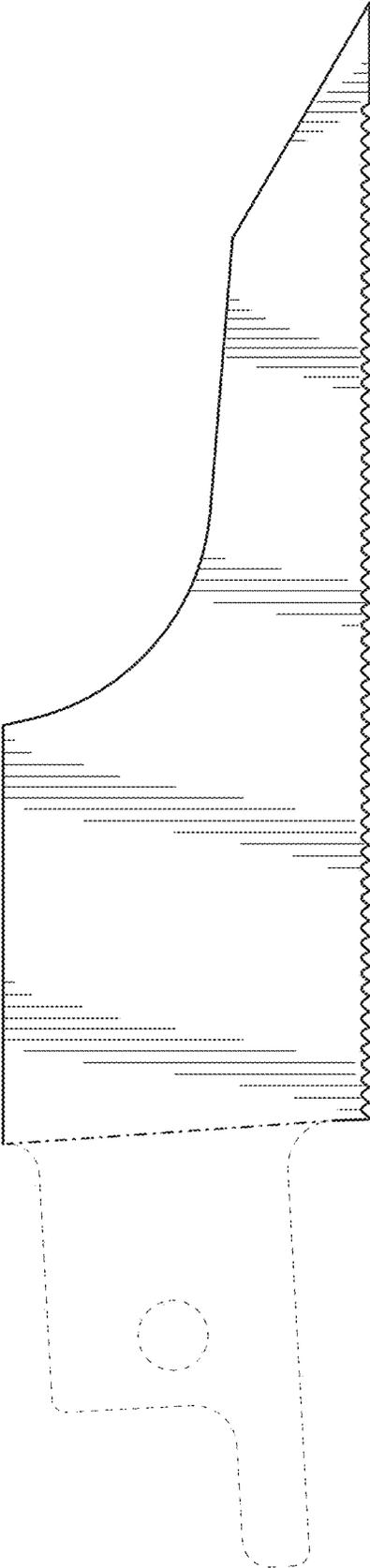


FIG. 2