



US00D820456S

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

(10) **Patent No.:** **US D820,456 S**  
(45) **Date of Patent:** **\*\* Jun. 12, 2018**

- (54) **BELT BRACKET OF POWERED AIR PURIFYING RESPIRATOR**
- (71) Applicant: **LINCOLN GLOBAL, INC.**, City of Industry, CA (US)
- (72) Inventors: **Jack Lee Milligan**, Mentor, OH (US); **Jamy Edward Bulan**, Lakewood, OH (US)
- (73) Assignee: **LINCOLN GLOBAL, INC.**, City of Industry, CA (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/529,660**
- (22) Filed: **Jun. 9, 2015**
- (51) **LOC (11) Cl.** ..... **24-00**
- (52) **U.S. Cl.**  
USPC ..... **D24/164**
- (58) **Field of Classification Search**  
USPC ..... D24/164, 110.1, 110, 186, 172, 162;  
D10/128; 128/205.12; 351/205;  
248/220.22  
CPC ..... A62B 7/10; A61B 5/14555; F04B 39/12  
See application file for complete search history.

- 6,186,140 B1 2/2001 Hoague
- 6,250,299 B1 6/2001 Danisch
- 6,279,572 B1 8/2001 Danisch
- 6,298,498 B1 10/2001 Burns
- 6,367,085 B1 4/2002 Berg
- (Continued)

**OTHER PUBLICATIONS**

U.S. Appl. No. 14/191,657, filed Feb. 27, 2014, Method of Making a Filter Seal.

(Continued)

*Primary Examiner* — Rhea Shields

(74) *Attorney, Agent, or Firm* — Perkins Coie LLP

(57) **CLAIM**

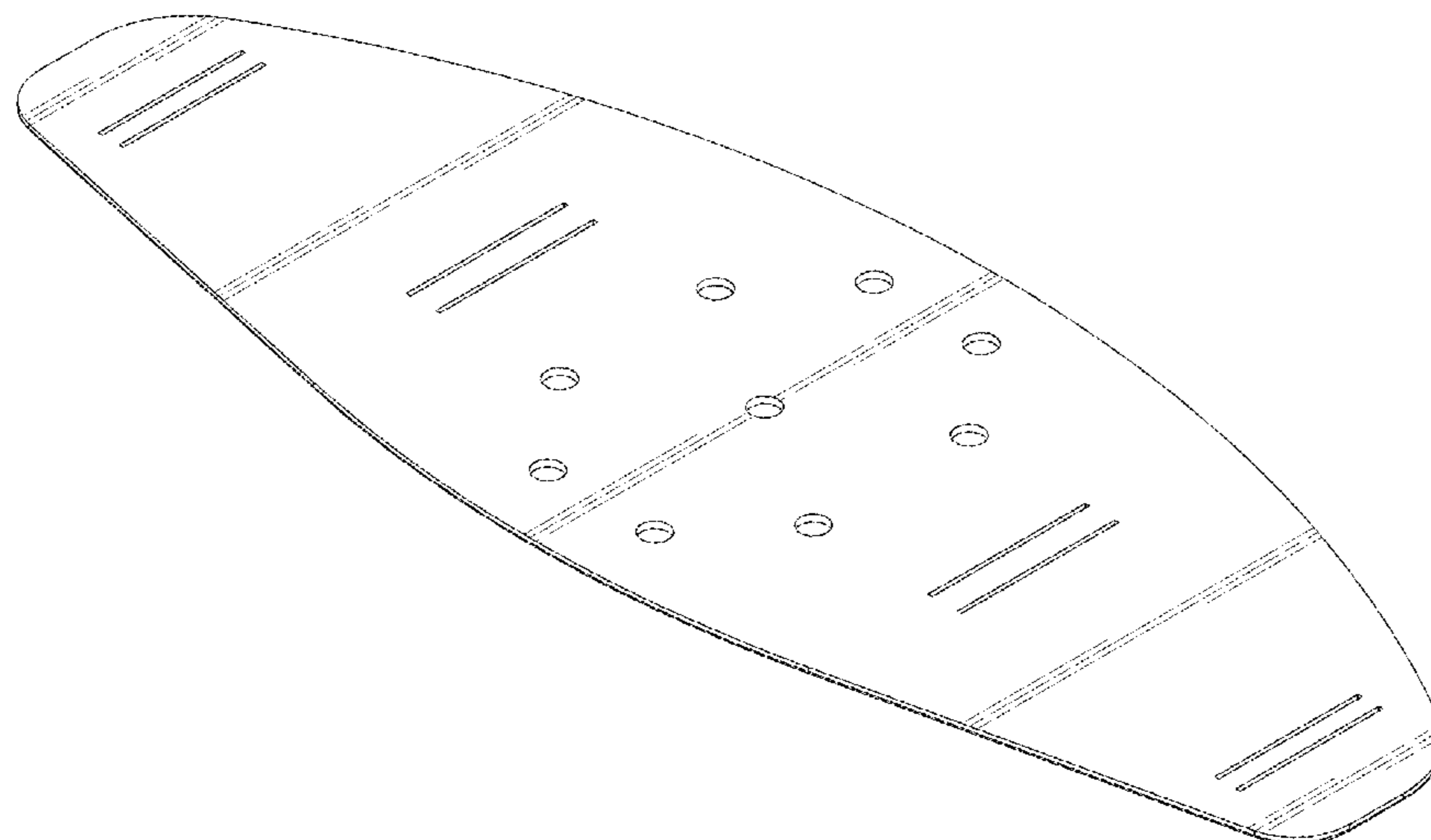
The ornamental design for a belt bracket of powered air purifying respirator, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the design for the belt bracket of a powered air purifying respirator;  
 FIG. 2 is a front view of a design for the belt bracket of a powered air purifying respirator;  
 FIG. 3 is a back view of a design for the belt bracket of a powered air purifying respirator;  
 FIG. 4 is a bottom view of a design for the belt bracket of a powered air purifying respirator;  
 FIG. 5 is a top view of a design for the belt bracket of a powered air purifying respirator;  
 FIG. 6 is a left hand view of a design for the belt bracket of a powered air purifying respirator; and,  
 FIG. 7 is a right hand view of a design for the belt bracket of a powered air purifying respirator.  
 In these drawings, the solid lines illustrate the claimed ornamental design, whereas the broken lines illustrate environmental features that form no part of the claimed ornamental design.

**1 Claim, 3 Drawing Sheets**

- (56) **References Cited**  
U.S. PATENT DOCUMENTS
- 5,091,997 A 3/1992 Foehl
- 5,230,101 A 7/1993 Hedges
- 5,461,731 A 10/1995 Shida
- 5,924,420 A 7/1999 Reischel
- D416,649 S 11/1999 Burns
- 6,014,971 A 1/2000 Danish
- 6,016,805 A 1/2000 Burns
- 6,035,451 A 3/2000 Burns
- 6,062,221 A 5/2000 Brostrom
- 6,081,931 A 7/2000 Burns
- 6,102,033 A 8/2000 Baribeau
- 6,123,077 A 9/2000 Bostock



(56)

References Cited

U.S. PATENT DOCUMENTS

6,438,763	B2	8/2002	Guay	
6,575,165	B1	6/2003	Cook	
6,666,209	B2	12/2003	Bennett	
D492,781	S *	7/2004	Vielhaber	D24/164
6,895,960	B2	5/2005	Fabin	
7,093,302	B1	8/2006	Burns	
7,197,774	B2	4/2007	Curran	
D561,893	S *	2/2008	Gunaratnam	D24/110.1
7,594,278	B2	9/2009	Huh	
D604,853	S *	11/2009	Abel	D24/110
7,748,381	B2	7/2010	Croll	
7,841,026	B2	11/2010	Makris	
7,865,968	B2	1/2011	Lilenthal	
D632,375	S	2/2011	Curran	
8,056,152	B2	11/2011	Brace	
8,082,600	B2	12/2011	Morin	
D657,445	S *	4/2012	Curran	D24/110
8,172,190	B2 *	5/2012	Dang	F04B 39/12 248/220.22
D662,672	S	6/2012	Carlburg	
D666,288	S	8/2012	Bainton	
D667,126	S *	9/2012	Cho	D24/186
D668,326	S	10/2012	Bainton	
D673,477	S *	1/2013	Szellos	D10/128
D675,789	S	2/2013	Wanhainen	
8,387,162	B2	3/2013	Huh	
D682,418	S *	5/2013	Krepel	D24/110
8,505,121	B2	8/2013	Ahlgren	
8,584,265	B2	11/2013	Lilenthal	
8,627,517	B2	1/2014	Ahlgren	
8,745,770	B2	6/2014	Ahlgren	
8,806,662	B2	8/2014	Huh	
8,821,621	B2	9/2014	Dwyer	
8,839,788	B2	9/2014	Betz	
8,875,318	B2	11/2014	Huh	
8,955,162	B2	2/2015	Huh	
D723,698	S *	3/2015	Cockley	D24/172
D724,197	S *	3/2015	Hughes	D24/110.5
D728,777	S	5/2015	Spear	
D731,123	S	6/2015	Spear	
D732,670	S *	6/2015	Dwyer	D24/162
9,066,552	B2	6/2015	Ahlgren	
D762,846	S *	8/2016	Fehr	D24/110.1
D765,237	S *	8/2016	Danford	D24/110.1
D767,754	S *	9/2016	Danford	D24/110.1
2009/0314295	A1 *	12/2009	Hatmaker	A62B 7/10 128/205.12
2010/0085537	A1 *	4/2010	Ramella-Roman	A61B 5/14555 351/205

OTHER PUBLICATIONS

U.S. Appl. No. 29/529,655, filed Jun. 9, 2015, Battery of a Powered Air Purifying Respirator.

U.S. Appl. No. 29/529,652, filed Jun. 9, 2015, Main Body of Powered Air Purifying Respirator.

U.S. Appl. No. 29/529,656, filed Jun. 9, 2015, Filter Cover of Powered Air Purifying Respirator.

U.S. Appl. No. 29/529,657, filed Jun. 9, 2015, Extended Battery of Powered Air Purifying Respirator.

3M TM Versaflo TM Powered Air Purifying Respirator TR-600; Heavy Industry Evolve to TR-600; 3M Personal Safety Division; pp. 1-3; estimated Jan. 2014.

3M TM Versaflo TM Powered Air Purifying Respirator TR-600; Pharmaceutical to TR-600; 3M Personal Safety Division; pp. 1-3; estimated Jan. 2014.

3M TM Versaflo TM Powered Air Purifying Respirator TR-600; Evolve to TR-600; 3M Personal Safety Division; pp. 1-2; estimated Jan. 2014.

Powered Air-Purifying Respirator (PAPR); OM-234 936 Rev. K; Owners Manual; www.MillerWelds.com; pp. 1-44; estimated Jan. 2014.

PAPR Powered Air Purifying Respirator; "The Power of the Blue", Welding Protection; Miller Electric Mfg. Co.; www.MillerWelds.com; pp. 1-2; Apr. 2009.

3M TM Personal Safety Division; 3M TM Versaflo TM Powered Air Purifying Respirator TR-600 brochure, Evolve to TR-600, pp. 1-6, estimated Jan. 2014.

3M TM Personal Safety Division; The New 3M TM Versaflo TM Powered Air Purifying Respirator TR-600 brochure, Evolve to TR-600- Heavy Industry, pp. 1-4, estimated Jan. 2014.

3M TM Personal Safety Division; The New 3M TM Versaflo TM Powered Air Purifying Respirator TR-600 brochure, Evolve to TR-600- Pharmaceutical, pp. 1-4, estimated Jan. 2014.

3M TM Versaflo TM Respirator Systems for Healthcare Professionals; Comfort and Simplicity Versatility; 3M.com/ Versaflo; pp. 1-4; estimated Jan. 2014.

3M TM Versaflo TM Respirator Systems for Pharmaceutical Applications; Comfort Simplicity Versatility; pp. 1-2; estimated Jan. 2014.

3M TM Versaflo TM Respirator Systems; Comfort Simplicity Versatility; pp. 1-8; estimated Jan. 2014.

3M TM Versaflo TM S-Series Hoods and Headcovers for powered and Supplied Air Respirators; Comfort Simplicity Versatility; pp. 1-12; estimated Jan. 2014.

3M TM Versaflo TM TR-300 Powered Air Purifying Respirators; Protection from Particles; Comfort Simplicity Versatility; pp. 1-4; estimated Jan. 2014.

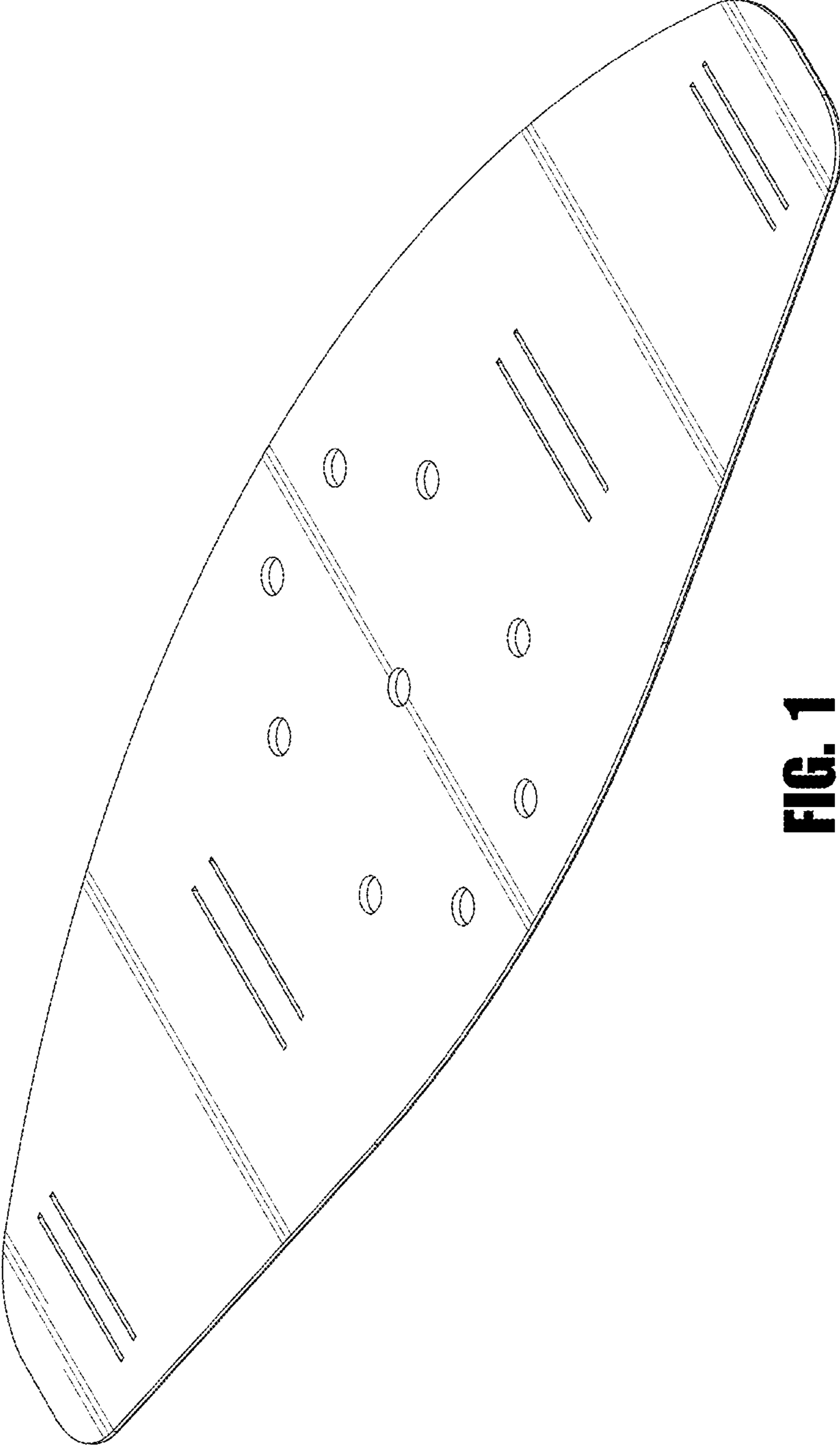
3M TM Versaflo TM TR-300 Series Parts and Accessories; pp. 1-2; estimated Jan. 2014.

3M TM Versaflo TM Powered Air Purifying Respirator TR-600 Assemblies; TR-600 Series Quick Start Guide; pp. 1-2; estimated Jan. 2014.

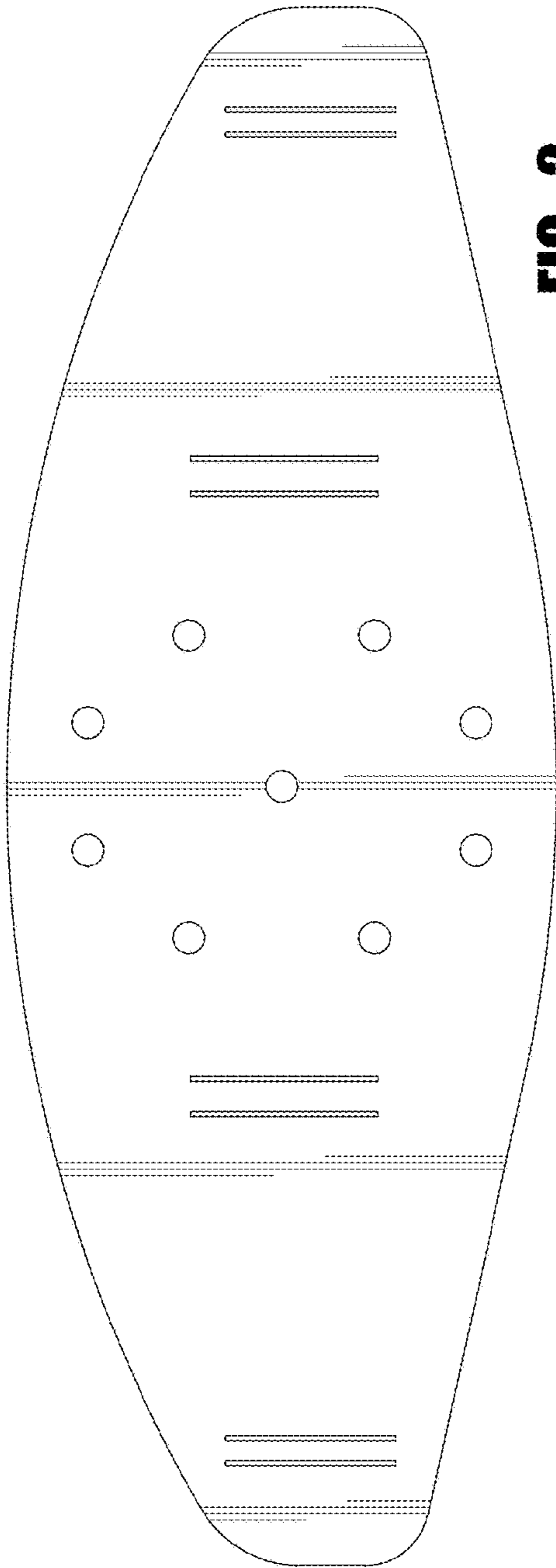
3M TM Versaflo TM TR-300 Series Parts and Accessories; 3M.com/PPESafety; pp. 1; estimated Jan. 2014.

PAPR Powered Air Purifying Respirator; Welding Protection; Miller Electric Mfg. Co.; pp. 1-2; estimated Jan. 2014.

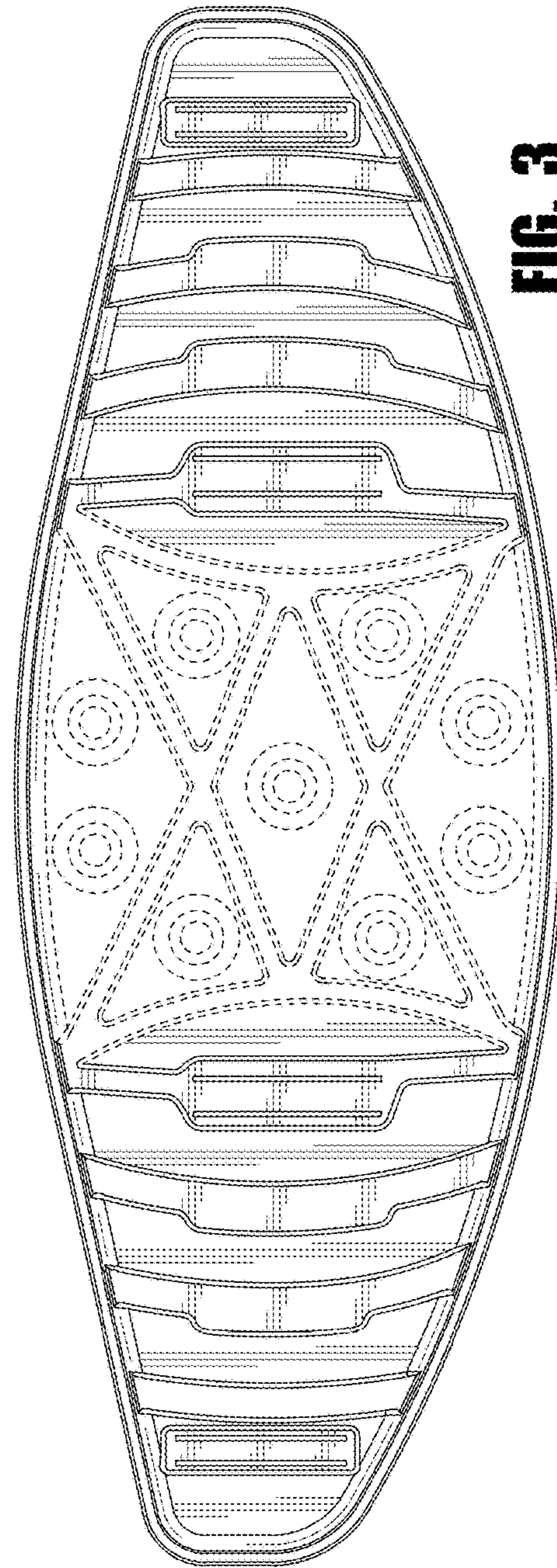
\* cited by examiner



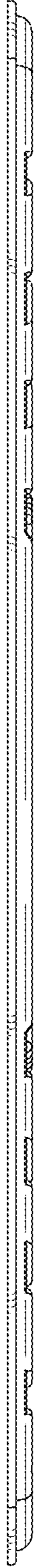
**FIG. 1**



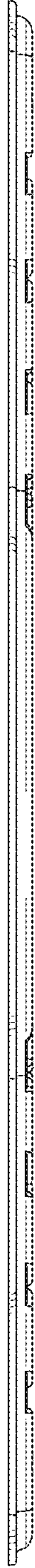
**FIG. 2**



**FIG. 3**



**FIG. 4**



**FIG. 5**



**FIG. 6**



**FIG. 7**