



(12) **United States Design Patent**  
**Dunn**

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(54) **SOLAR POWERED ELECTRONIC DISPLAY ASSEMBLY WITH POLE MOUNT**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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D222,989 S 2/1972 Cohen  
4,534,496 A 8/1985 Bott  
4,718,185 A \* 1/1988 Conlin ..... H02S 40/38  
320/155

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D311,722 S 10/1990 Cheng  
5,306,156 A 4/1994 Gibbs et al.  
D357,944 S 5/1995 Atwell et al.

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D403,434 S 12/1998 Sander  
D408,554 S 4/1999 Dinwoodie  
D410,751 S 6/1999 Meier  
D453,194 S 1/2002 Gentelia et al.

(\*\*) Term: **15 Years**

D455,789 S 4/2002 Schlueter  
6,396,239 B1 5/2002 Benn et al.

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D479,859 S 9/2003 Strunk et al.

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D483,074 S 12/2003 Strunk et al.  
D486,188 S 2/2004 Norcross et al.  
D500,143 S 12/2004 Moncho et al.  
D505,113 S \* 5/2005 Lam ..... D13/107  
D514,913 S 2/2006 Dunn et al.

**Related U.S. Application Data**

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(51) **LOC (14) Cl.** ..... **13-02**

(52) **U.S. Cl.**

USPC ..... **D13/102**

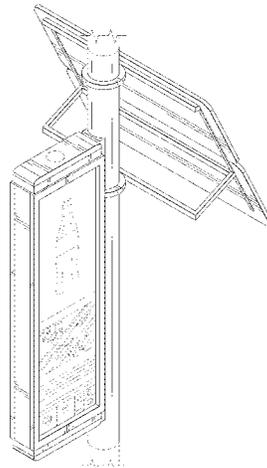
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31/1876; H01L 51/0061; H02S 40/34;  
H02J 3/38

See application file for complete search history.

D530,432 S 10/2006 Gottesdiener  
D535,034 S 1/2007 Gottesdiener  
D560,668 S 1/2008 Pritchard et al.  
D585,943 S 2/2009 Pymm et al.  
D593,213 S 5/2009 Grimshaw et al.  
D595,645 S 7/2009 Beghelli  
D603,973 S 11/2009 Jackson et al.  
D639,800 S 6/2011 Magruder  
D646,269 S 10/2011 Crick, Jr. et al.  
D653,662 S 2/2012 Park et al.  
D654,116 S 2/2012 McDougall et al.  
D659,259 S 5/2012 Duddy  
D662,040 S 6/2012 Yang et al.  
D665,029 S 8/2012 Krapf et al.  
D671,885 S \* 12/2012 Steinau ..... D13/102  
D696,658 S 12/2013 Winston et al.  
D710,298 S 8/2014 Jie et al.  
8,895,836 B2 11/2014 Amin et al.  
9,121,391 B1 9/2015 Koehler, III  
D740,966 S 10/2015 Indio da Costa et al.  
D747,816 S 1/2016 Indio da Costa et al.  
D752,529 S 3/2016 Loretan et al.  
D754,256 S 4/2016 Maman et al.  
D775,622 S 1/2017 Fu et al.  
D777,695 S 1/2017 Odryna et al.  
D786,453 S 5/2017 Indio da Costa et al.  
D786,454 S 5/2017 Indio da Costa et al.  
D791,069 S \* 7/2017 Mota ..... D13/102  
D795,453 S 8/2017 Indio da Costa et al.  
D797,658 S \* 9/2017 Feller ..... D13/102



D804,054	S	11/2017	Indio da Costa et al.	
D806,895	S	1/2018	Terashima et al.	
D807,840	S	1/2018	Lee et al.	
D816,624	S	5/2018	Odryna et al.	
D817,288	S	5/2018	Won et al.	
D820,798	S	6/2018	Yurusov	
9,994,160	B2	6/2018	Kim et al.	
D831,599	S	10/2018	Chong et al.	
D835,926	S	12/2018	Abatemarco, Jr.	
D839,352	S	1/2019	Lim et al.	
10,278,311	B2	4/2019	DeMars	
10,290,243	B2	5/2019	Lanham	
D856,530	S	8/2019	Oskoui	
D861,623	S	10/2019	Odryna et al.	
D863,597	S *	10/2019	Li .....	D25/56
D879,202	S	3/2020	Hornsby et al.	
D883,278	S	5/2020	Yepez et al.	
D885,382	S	5/2020	Kim et al.	
10,757,844	B2	8/2020	Dunn et al.	
10,820,445	B2	10/2020	Diaz	
10,827,657	B2	11/2020	Lee	
10,831,050	B2	11/2020	Dunn et al.	
D913,276	S	3/2021	Dunn	
D913,277	S	3/2021	Dunn	
D913,278	S	3/2021	Dunn	
D916,189	S	4/2021	Dunn	
D916,190	S	4/2021	Dunn	
D916,319	S	4/2021	Dunn	
D916,971	S	4/2021	Dunn	
D916,972	S	4/2021	Dunn	
D916,973	S	4/2021	Dunn	
D916,974	S	4/2021	Dunn	
D916,975	S	4/2021	Dunn	
D916,976	S	4/2021	Dunn	
D916,977	S	4/2021	Dunn	
D934,159	S	10/2021	Dunn et al.	
11,148,621	B2	10/2021	Dunn et al.	
D941,235	S	1/2022	Dunn et al.	
D941,236	S	1/2022	Dunn et al.	
D957,317	S	7/2022	Dunn	
2003/0119448	A1	6/2003	Arntz	
2008/0298051	A1	12/2008	Chu	
2009/0183405	A1	7/2009	Wilkes	
2010/0079979	A1	4/2010	Nakamichi et al.	
2011/0075363	A1	3/2011	Nakamichi et al.	
2011/0298841	A1	12/2011	Fujimori	
2012/0002357	A1	1/2012	Auld et al.	
2012/0224116	A1	9/2012	Barnes	
2013/0033222	A1 *	2/2013	Hixson .....	E04H 1/1211 136/246
2015/0194561	A1	7/2015	Toya et al.	
2015/0381922	A1	12/2015	Hamilton	
2018/0293921	A1	10/2018	Margrill	
2018/0317330	A1 *	11/2018	Dunn .....	H05K 7/20736
2018/0345809	A1	12/2018	Derrien et al.	
2021/0066923	A1	3/2021	Dunn et al.	
2021/0313927	A1	10/2021	Dunn et al.	

FOREIGN PATENT DOCUMENTS

CN	106782121	A	5/2017
CN	109961695	A	7/2019
EM	008035232-0001		7/2020
EP	4022595	A1	7/2022
KR	300422537.0000		8/2006
KR	10-1444022	B1	10/2014
WO	2016/102980	A1	6/2016
WO	D098725-001		12/2017
WO	2021/041381	A1	3/2021

OTHER PUBLICATIONS

Civiq Smartscares, There are companies that make kiosks. And then there's Civiq.—Advanced Smart City Platform, webpage, Jan. 30, 2019, 10 pages.  
 Civiq Smartscares, Connecting people, places & experiences, webpage, Jan. 30, 2019, 5 pages.  
 Civiq Smartscares, Connecting people, places & experiences, screen shot of devices webpage, Jan. 30, 2019, 1 page.  
 Melford Technologies, Part 1, video online at <https://m.youtube.com/watch?v=OAV7zzVrHtE&feature=youtu.be>, Oct. 21, 2019, 1 page.  
 Manufacturing Resources International, Manufacturing Resources International home webpage, Nov. 4, 2019, 2 pages.  
 Manufacturing Resources International, LCD Display Deployments webpage, Nov. 4, 2019, 3 pages.  
 Manufacturing Resources International, BoldVu Outdoor LCD Display webpage, Nov. 4, 2019, 2 pages.  
 Manufacturing Resources International, BoldVu Semi Outdoor LCD Display webpage, Nov. 8, 2019, 2 pages.  
 Manufacturing Resources International, BoldVu Vehicle Top LCD Display webpage, Nov. 8, 2019, 2 pages.  
 Manufacturing Resources International, Drivethru Menu Boards Webpage, Nov. 8, 2019, 2 pages.  
 Manufacturing Resources International, Storefront Digital Signage webpage, Nov. 8, 2019, 2 pages.  
 Vertigo Digital Displays, Innovation on Display FlexVu Totem Brochure, 2014, 6 pages.  
 Vertigo Digital Displays, FlexVu Totem Shelter, 2017, 2 pages.  
 Vertigo Digital Displays, All Products Catalogue, 2017, 14 pages.  
 Civiq Smartscares, FlexVue Ferro 55P/55L, Mar. 16, 2017, 4 pages.  
 Gable, Blog Post: The Anatomy of an Interactive Kiosk, Aug. 15, 2018, 4 pages.

\* cited by examiner

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(57) CLAIM

The ornamental design for a solar powered electronic display assembly with pole mount, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a solar powered electronic display assembly with pole mount;  
 FIG. 2 is a front elevation view thereof;  
 FIG. 3 is a rear elevation view thereof;  
 FIG. 4 is a right side elevation view thereof;  
 FIG. 5 is a left side elevation view thereof;  
 FIG. 6 is a top view thereof;  
 FIG. 7 is a bottom view thereof; and,  
 FIG. 8 is an environmental view thereof.  
 The broken lines shown represent environmental subject matter and form no part of the claimed design. The dot-dashed broken line(s) define the bounds of the claimed design and form no part thereof.

1 Claim, 8 Drawing Sheets

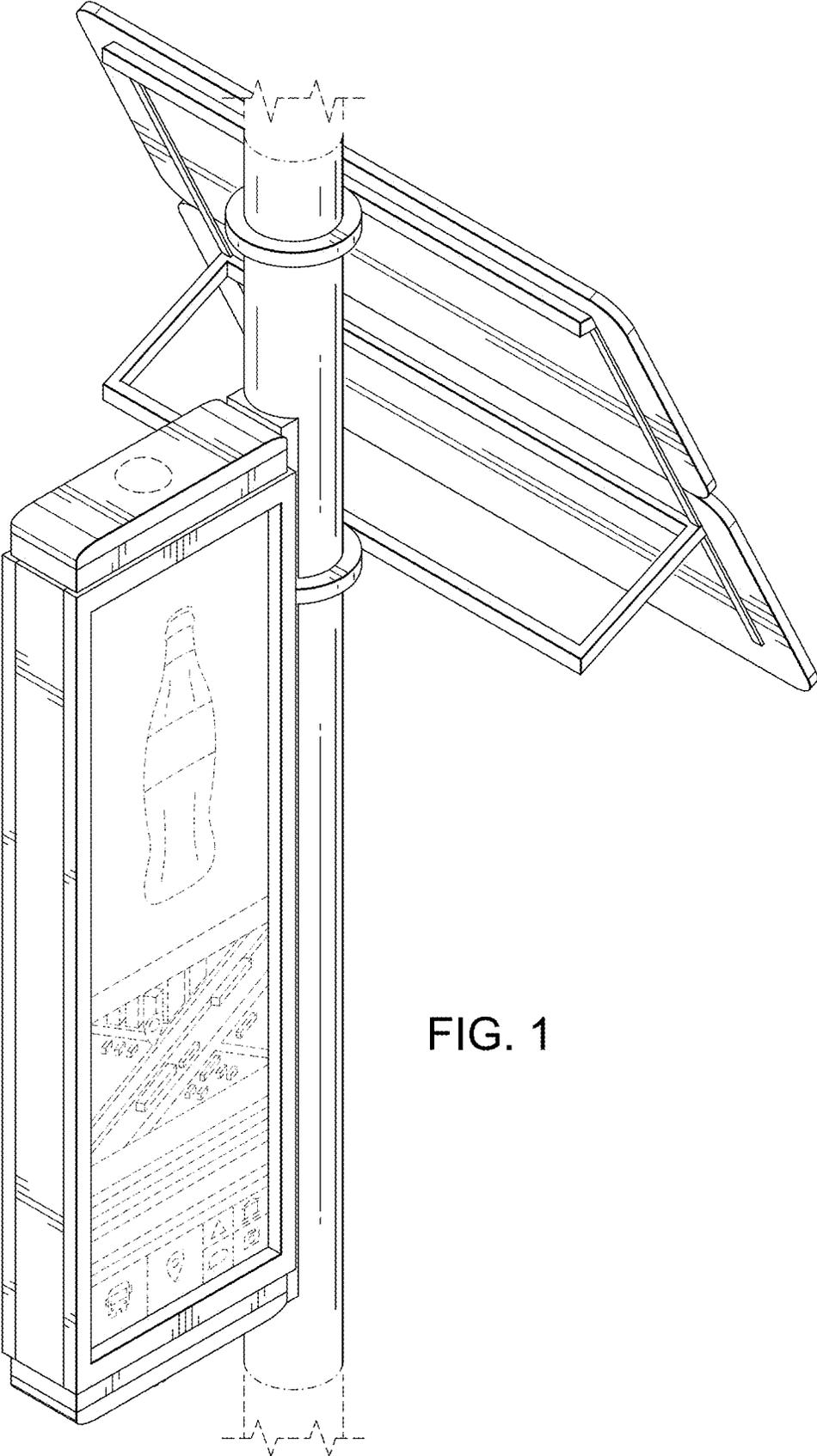


FIG. 1

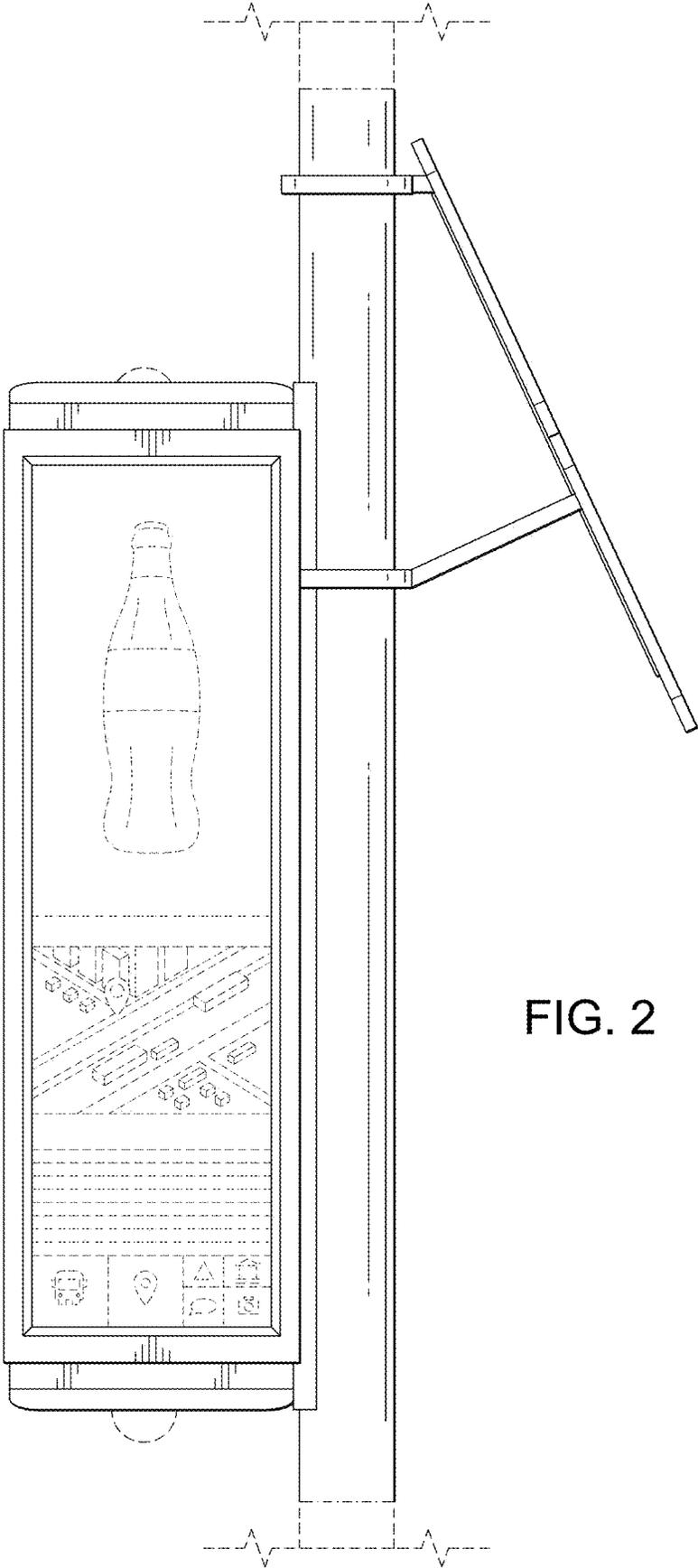


FIG. 2

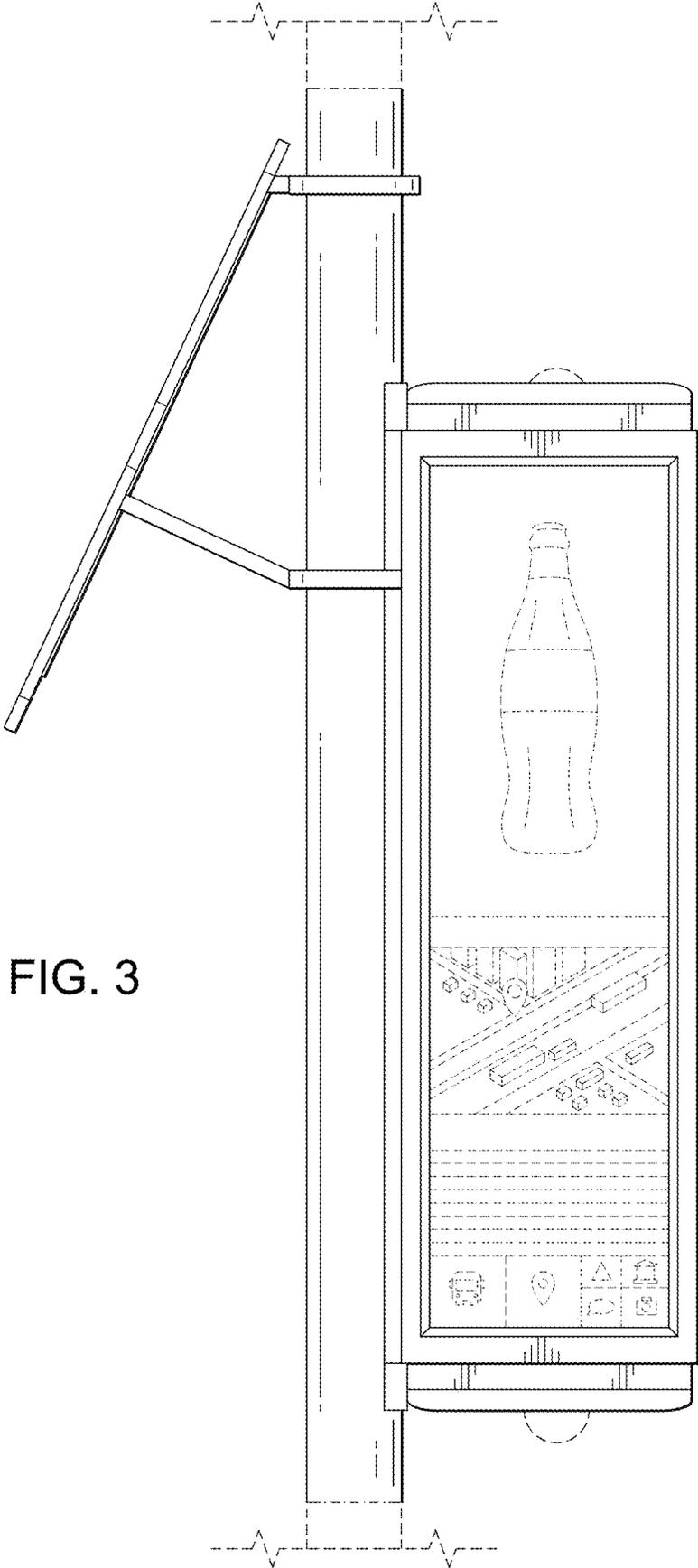


FIG. 3

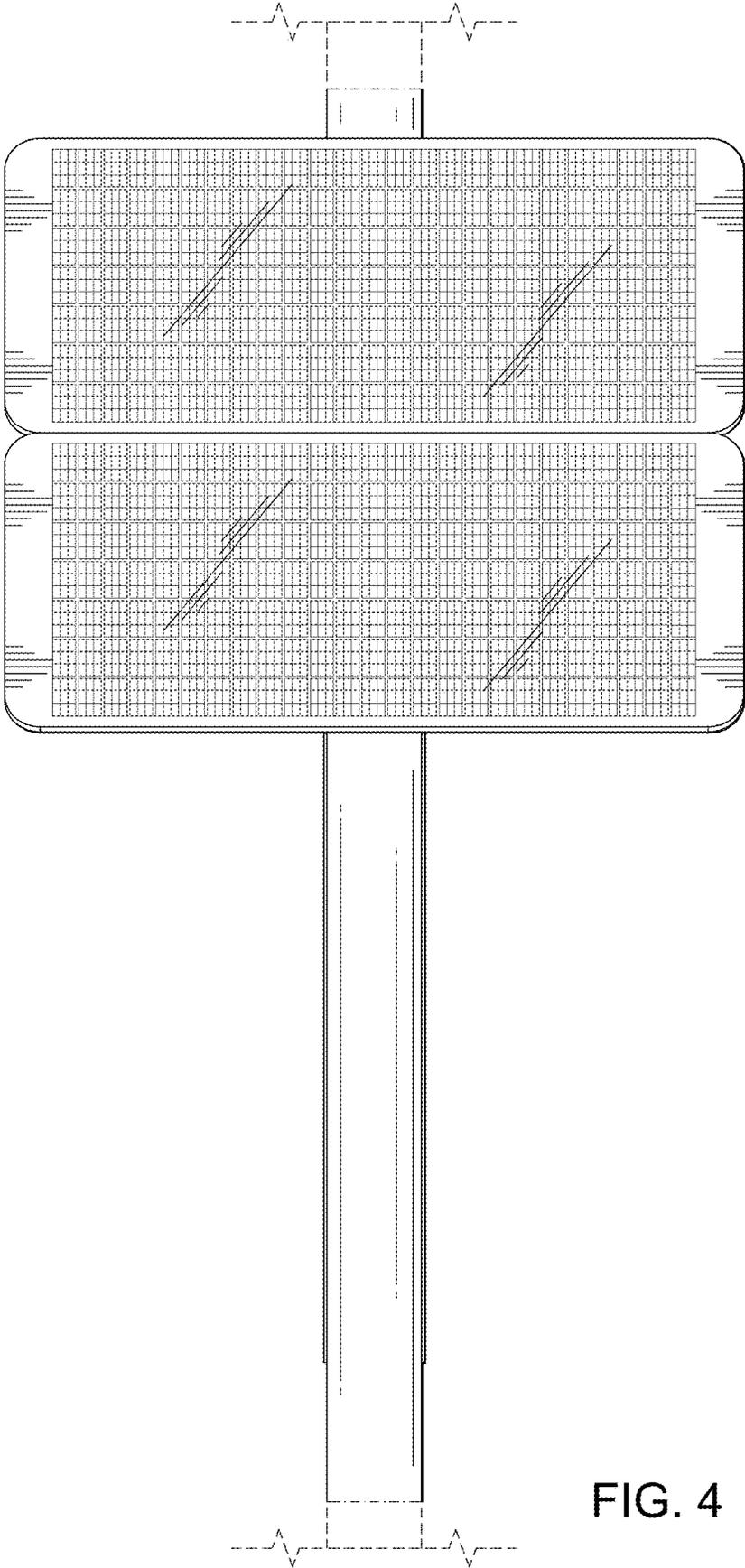


FIG. 4

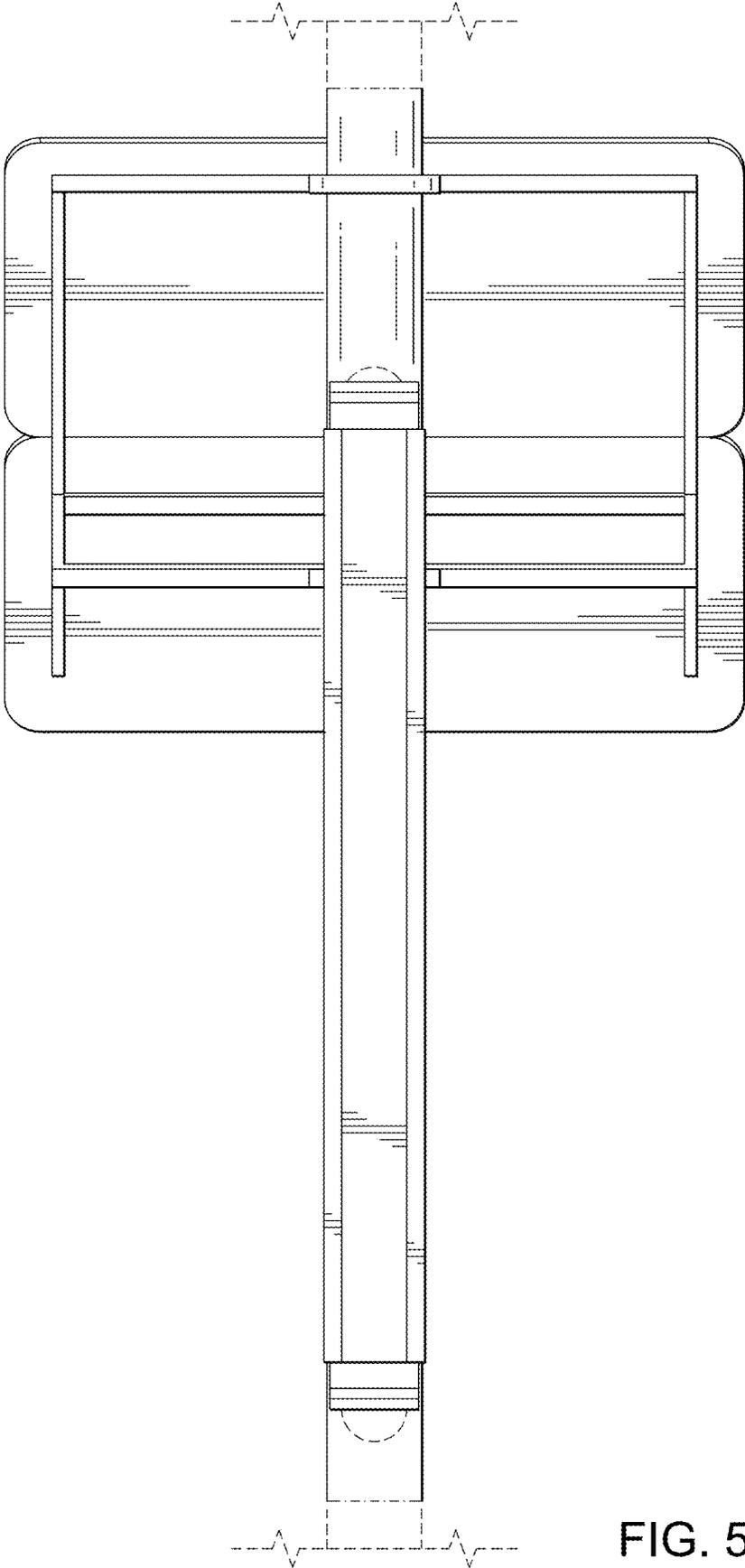


FIG. 5

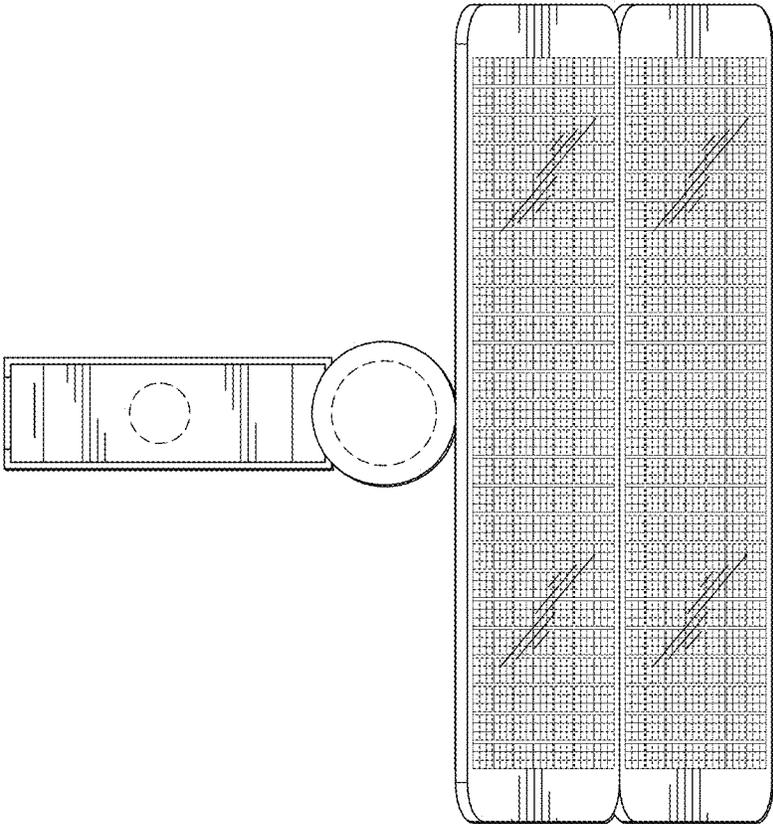


FIG. 6

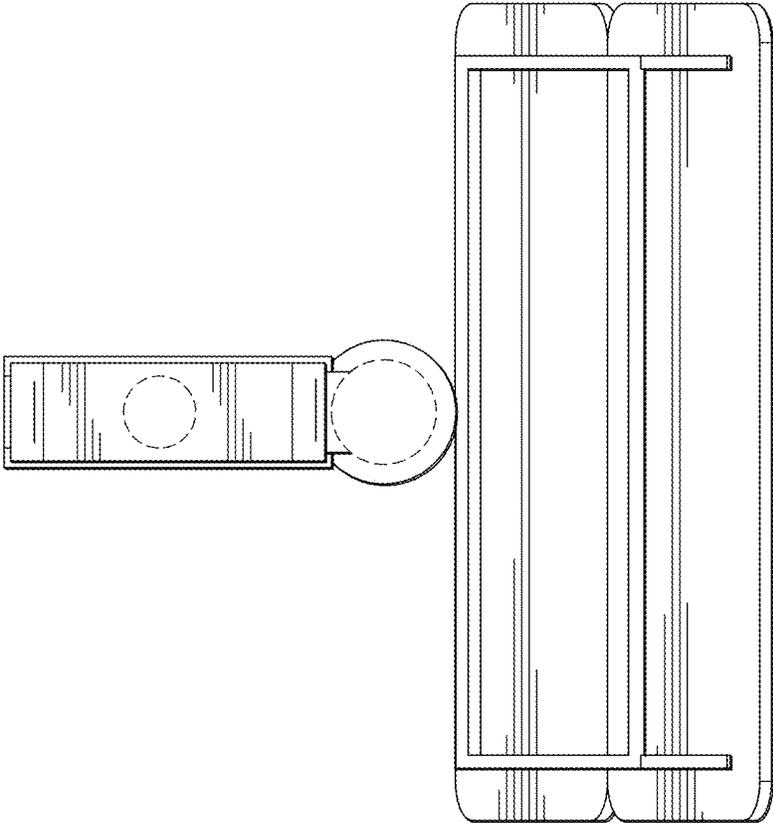


FIG. 7

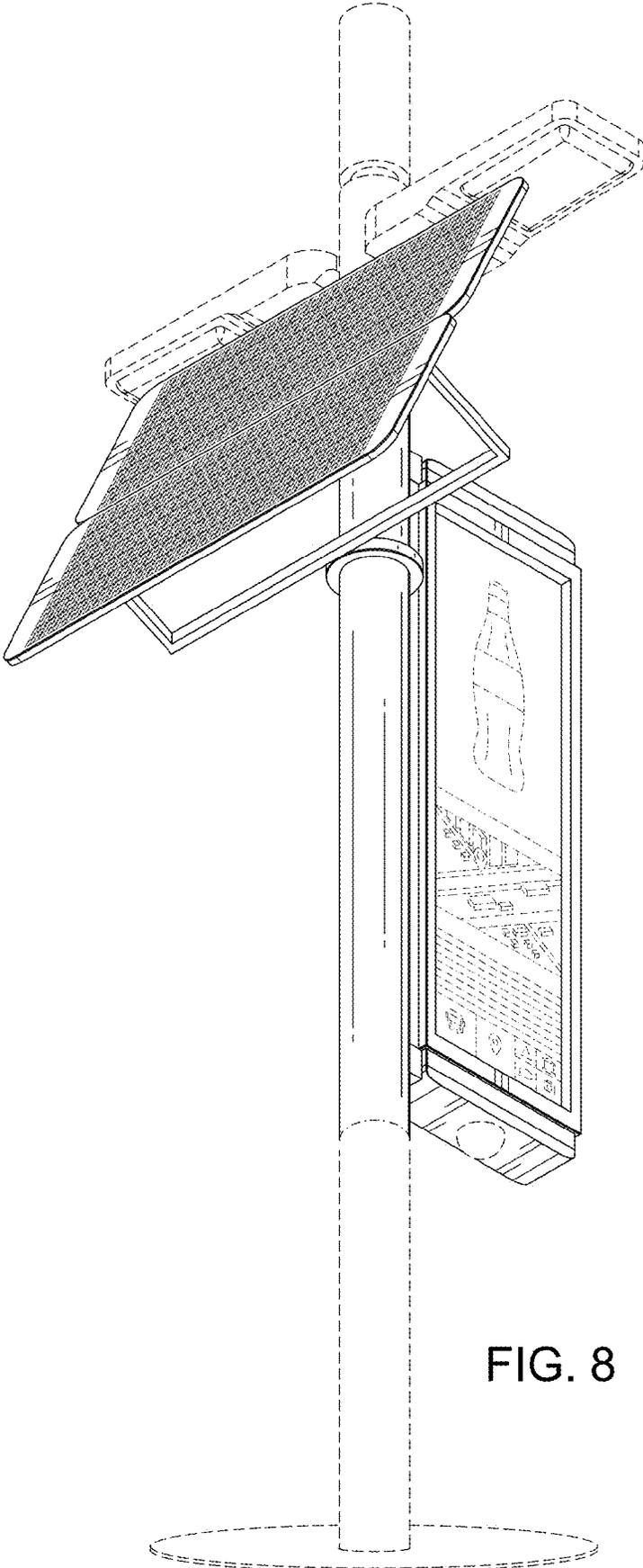


FIG. 8