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(12) United States Design Patent

Fan

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(54) **PLANAR LOUDSPEAKER**

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(73) Assignee: **WALL AUDIO INC.**, Oakland, CA (US)

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

(21) Appl. No.: **29/478,511**

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(51) **LOC (10) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/214**

(58) **Field of Classification Search**
USPC D14/167, 168, 170–172, 188, 194–196, D14/204, 207, 209.1, 210–216, 219, 221, D14/222, 224, 496; 181/143, 144, 147, 148, 181/150, 153, 157, 198, 199; 381/300–303, 381/306, 332, 333, 336, 345, 361–364, 381/386–388; 369/6–12
CPC B60R 11/0217; G06F 1/1688; H04M 1/03; H04M 1/035; H04R 1/02; H04R 1/06; H04R 1/021; H04R 1/025; H04R 1/026; H04R 1/028; H04R 1/105; H04R 1/323; H04R 1/403; H04R 1/2803; H04R 1/2834; H04R 5/02; H04R 7/20; H04R 9/06; H04R 9/025; H04R 2201/021; H04R 2400/00; H04R 2400/07; H04R 2499/11; H04R 2499/13; H04R 2499/15; H04S 3/00; H04S 7/30
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,856,071	A		8/1989	Marquiss
5,452,663	A		9/1995	Berdut
D432,518	S		10/2000	Muto
D592,641	S	*	5/2009	Ryu et al. D14/214
D628,913	S	*	12/2010	Cheng D10/65
D636,188	S		4/2011	Kim et al.
D639,568	S		6/2011	Lee et al.
D652,418	S	*	1/2012	Rashid et al. D14/341
8,335,339	B2		12/2012	Tagami et al.
D676,430	S		2/2013	Blaser
D685,346	S	*	7/2013	Szymanski et al. D14/214
D695,250	S	*	12/2013	Kim et al. ..... D14/138 G
D707,204	S	*	6/2014	Fujiwara et al. D14/221
D719,744	S		12/2014	Plumbo et al.
D721,893	S		2/2015	Gorham

(Continued)

FOREIGN PATENT DOCUMENTS

EP	2677769	A2	12/2013

OTHER PUBLICATIONS

U.S. Appl. No. 14/588,073, filed Dec. 31, 2014, Fan.

(Continued)

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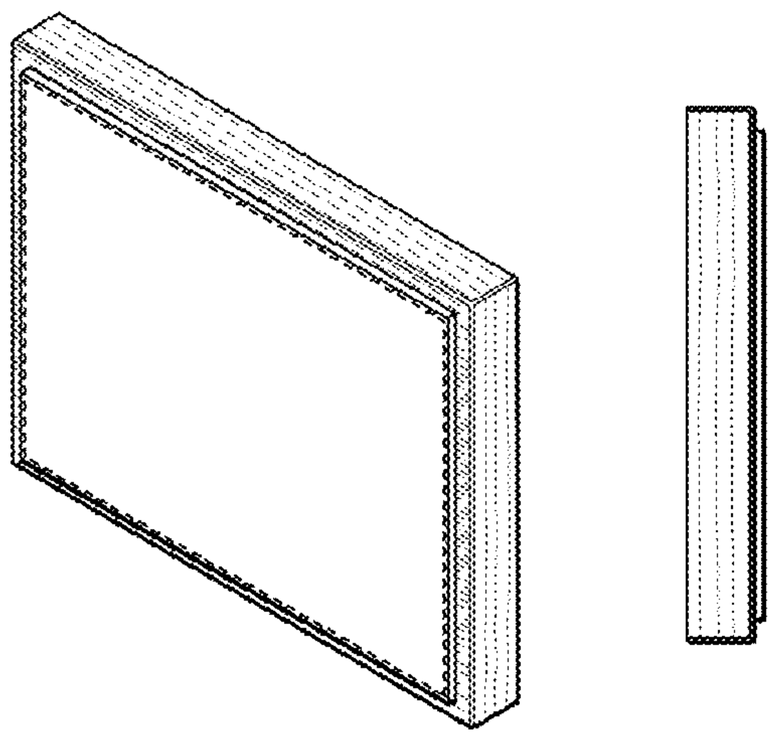
(57) **CLAIM**

The ornamental planar loudspeaker, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of the planar loudspeaker showing an embodiment of our new design;
FIG. **2** is a top plan view thereof;
FIG. **3** is a front elevation view thereof;
FIG. **4** is a right side elevation view thereof;
FIG. **5** is a left side elevation view thereof; and,
FIG. **6** is a bottom plan view thereof.
The broken lines in FIGS. **1-6** are for illustrative purposes only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D722,049	S *	2/2015	Moradian	D14/341
8,958,591	B2 *	2/2015	Hagman	381/333

OTHER PUBLICATIONS

U.S. Appl. No. 29/495,837, filed Jul. 3, 2014, Fan.
DSA. Dedicated Sound and Audio homepage. Innovative Audio Concepts. Accessed Jan. 16, 2015. http://dsausa.com/.
DSA. Dedicated Sound and Audio.Technology: How it works. Accessed Jan. 16, 2015. http://dsausa.com/tech-nology.
Morcos, Tony. The straight attraction, part two. The Magnequench Technology Center. Jul. Aug. 2000 Motion Control, pp. 24-28.
Planar Magnetic Technology. Technical Overview, Wisdom Audio, 2007.
Artcoustic Picture Gallery (Artcoustic UK LTD.) Jul. 6, 2012; https://web.archive.org/web/20130706004612/http://www.artcoustic.com/Gallery.html Published Jul. 6, 2012; Downloaded from Wayback Mar. 16, 2015.
International search report and written opinion dated Mar. 25, 2015 for PCT/US2014/073054.
Standard Specification for Silver Coated Copper Wire (ASTM B298) Sep. 9, 2013; http://www.astm.org/Standards/B298.htm. Published Sep. 9, 2013; Downloaded from Wayback on Mar. 6, 2015.
Notice of allowance dated Apr. 29, 2015 for U.S. Appl. No. 29/495,837.

* cited by examiner

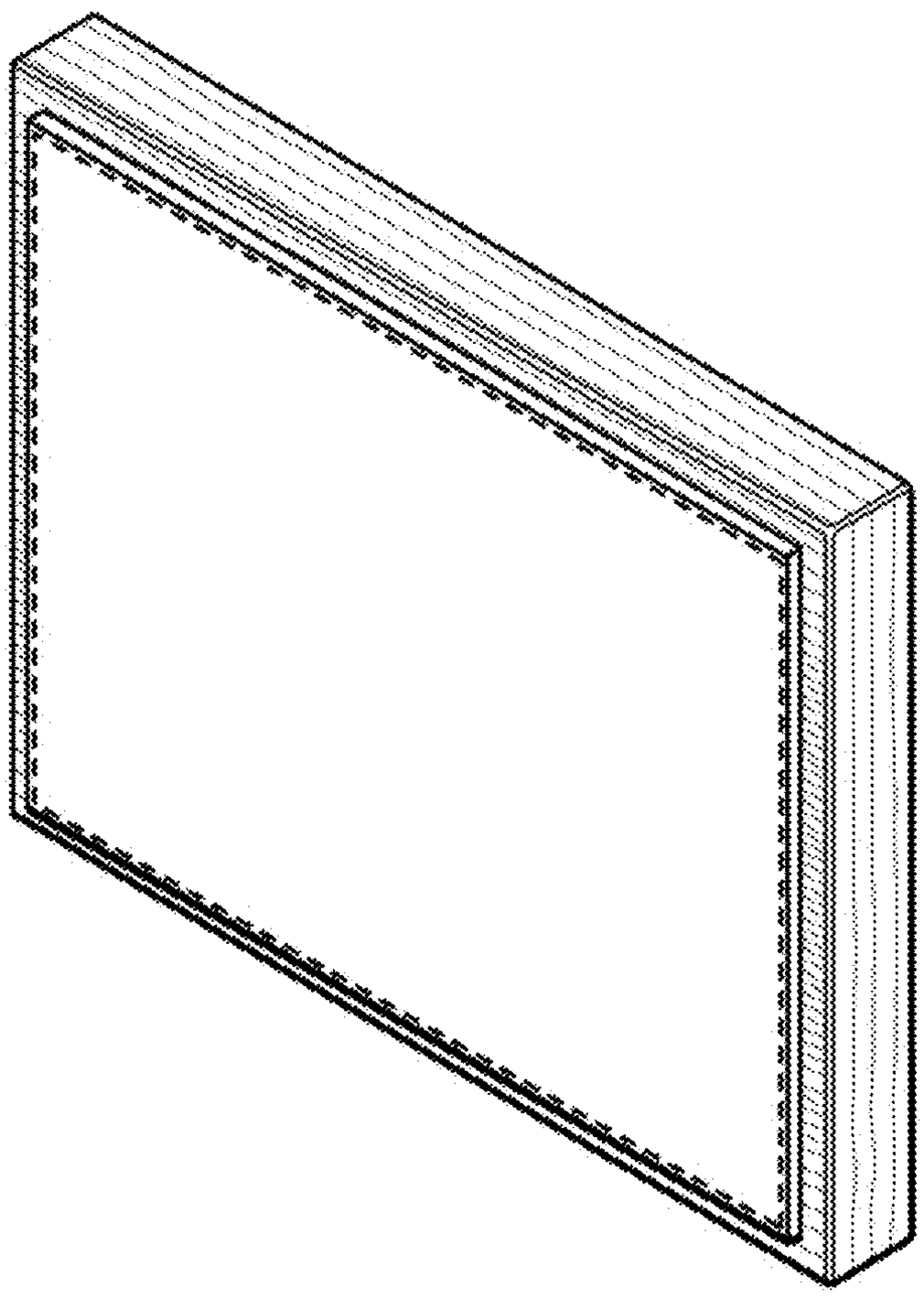


FIG. 1

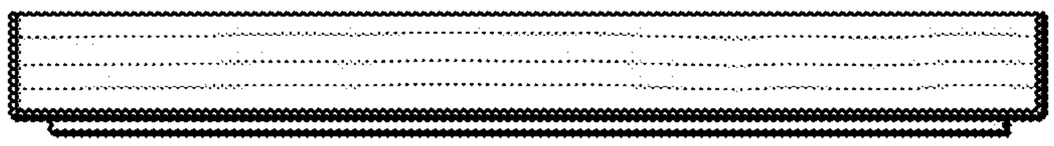


FIG. 2

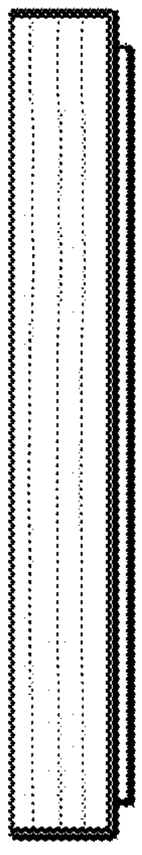


FIG. 5

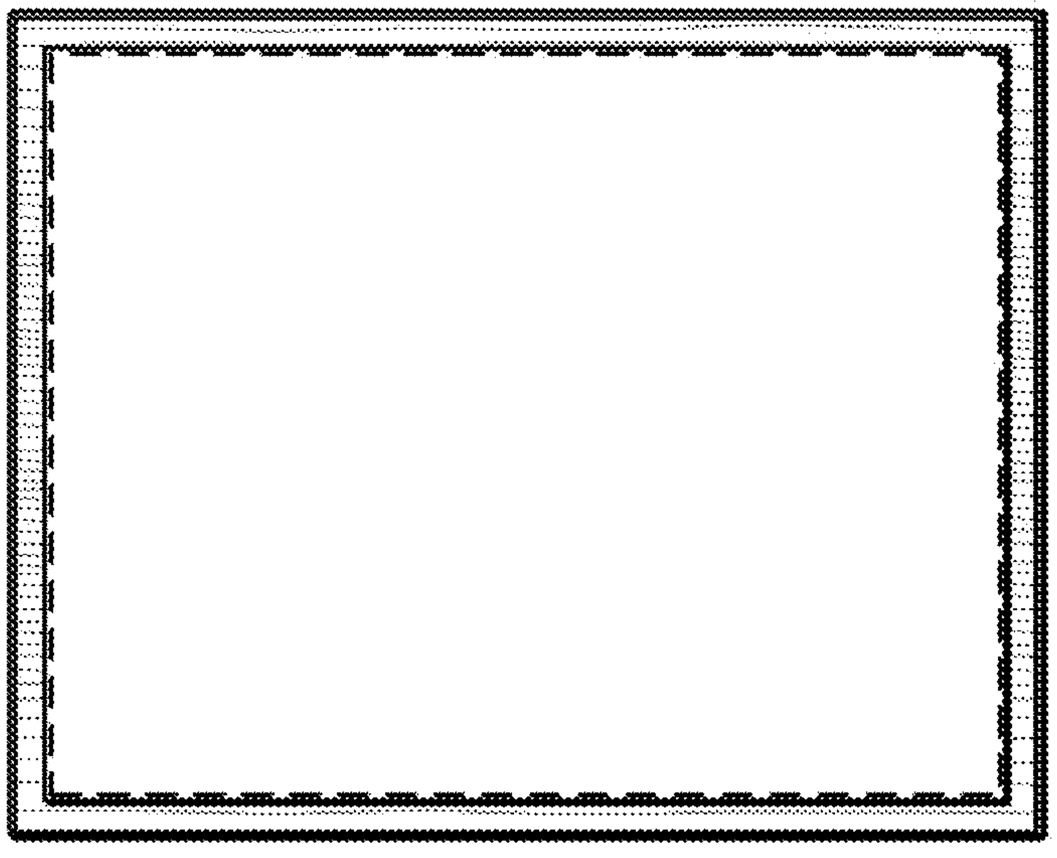


FIG. 3

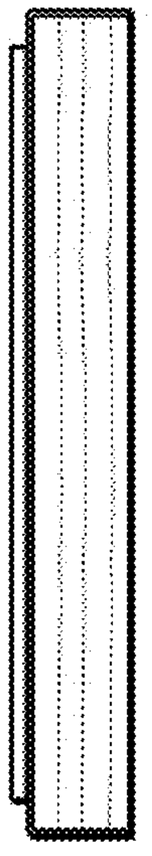


FIG. 4

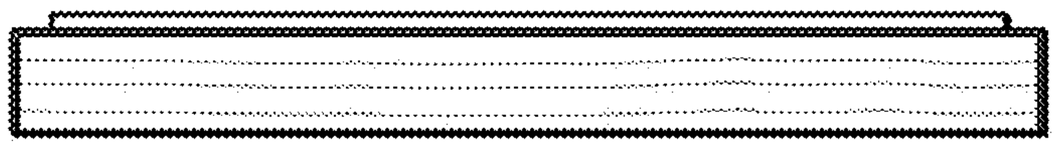


FIG. 6