

US00D876393S

(12) **United States Design Patent** (10) **Patent No.:** **US D876,393 S**  
**Christie** (45) **Date of Patent:** **\*\* Feb. 25, 2020**

(54) **IN-WALL LINE ARRAY SPEAKER**

FOREIGN PATENT DOCUMENTS

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CN 202197394 \* 4/2012 ..... H04R 1/24

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OTHER PUBLICATIONS

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Epique CBT24 Line Array Speaker System Pair, Parts-Express.com, [online], [site visited Jun. 5, 2019]. URL: https://www.parts-express.com/epique-cbt24-line-array-speaker-system-pair--301-982 (Year: 2019).\*

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

(Continued)

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*Primary Examiner* — T Chase Nelson

(22) Filed: **Jan. 22, 2018**

*Assistant Examiner* — Jonathan J. Han

(51) **LOC (12) Cl.** ..... **14-01**

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

USPC ..... **D14/213**

(58) **Field of Classification Search**

(57) **CLAIM**

USPC ..... D14/167, 168, 170–172, 188, 194–196, D14/204–222, 224, 239, 354–356, 496; 181/143–145, 147, 148, 150, 153, 157, 181/198, 199; 381/300–302, 306, 332, 381/333, 336, 345, 361–364, 386–388; 369/6–12; D13/107, 108

I claim the ornamental design for an in-wall line array speaker, as shown and described.

CPC ..... B60R 11/0217; G11B 31/003; H04R 1/02; H04R 1/021; H04R 1/026; H04R 1/2803; H04R 2203/00; H04R 2400/00; H04R 2420/07

**DESCRIPTION**

See application file for complete search history.

FIG. 1 is a perspective view showing a first embodiment of the new design;  
FIG. 2 is a front view of the first embodiment;  
FIG. 3 is a back view the first embodiment;  
FIG. 4 is a right side view of the first embodiment;  
FIG. 5 is a left side view of the first embodiment;  
FIG. 6 is a top view of the first embodiment;  
FIG. 7 is a bottom view of the first embodiment;  
FIG. 8 is a perspective view showing a second embodiment of the new design;  
FIG. 9 is a front view of the second embodiment;  
FIG. 10 is a back view the second embodiment;  
FIG. 11 is a right side view of the second embodiment;  
FIG. 12 is a left side view of the second embodiment;  
FIG. 13 is a top view of the second embodiment; and,  
FIG. 14 is a bottom view of the second embodiment.

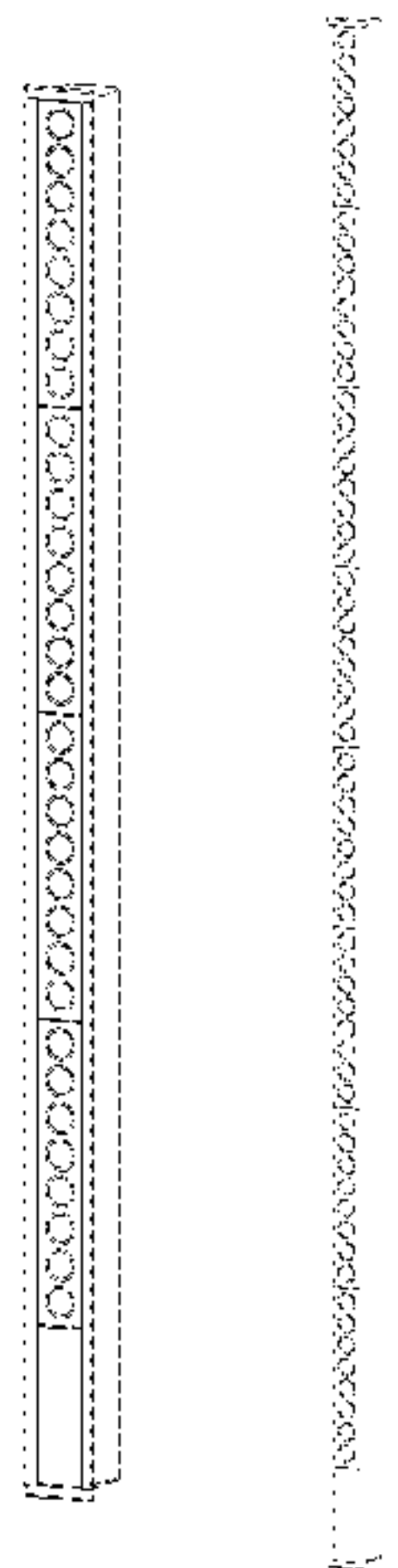
(56) **References Cited**

U.S. PATENT DOCUMENTS

D265,822 S \* 8/1982 Hartwein ..... D14/211  
D306,592 S 3/1990 Hansson  
4,940,108 A \* 7/1990 Selby ..... H04R 1/26  
181/145  
D451,494 S \* 12/2001 Oikawa ..... D14/211  
D494,565 S \* 8/2004 Yao ..... D14/211  
D522,492 S \* 6/2006 Carbone ..... D14/211  
D541,258 S \* 4/2007 Oxford ..... D14/211  
7,319,767 B2 1/2008 Fidlin et al.  
D562,307 S 3/2008 Warden

(Continued)

**1 Claim, 12 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D578,103 S \* 10/2008 Matsuoka ..... D14/211  
 7,575,095 B2 \* 8/2009 An ..... H04R 1/26  
 181/144  
 D629,388 S \* 12/2010 Son ..... D14/214  
 D653,239 S \* 1/2012 Kim ..... D14/215  
 D654,053 S \* 2/2012 Lee ..... D14/211  
 D676,422 S \* 2/2013 Onoue ..... D14/214  
 D680,096 S \* 4/2013 Ryu ..... D14/211  
 8,411,892 B2 4/2013 Grundland et al.  
 D683,330 S \* 5/2013 Ryu ..... D14/209.1  
 D687,812 S \* 8/2013 Lee ..... D14/211  
 D699,385 S \* 2/2014 Guzzini ..... D26/74  
 D706,748 S \* 6/2014 Hara ..... D14/214  
 D710,823 S \* 8/2014 Woo ..... D14/214  
 D712,377 S \* 9/2014 Delrue ..... D14/213  
 D714,763 S \* 10/2014 Woo ..... D14/209.1  
 D715,767 S \* 10/2014 Woo ..... D14/211  
 D716,262 S \* 10/2014 Kim ..... D14/215  
 D716,265 S \* 10/2014 Park ..... D14/215  
 D716,266 S \* 10/2014 Kim ..... D14/213  
 D720,723 S \* 1/2015 Cho ..... D14/215  
 D721,059 S \* 1/2015 Lehnert ..... D14/215  
 D738,855 S \* 9/2015 Park ..... D14/213  
 D756,961 S \* 5/2016 White ..... D14/214  
 D756,962 S \* 5/2016 White ..... D14/214  
 D756,963 S \* 5/2016 White ..... D14/214  
 D756,964 S \* 5/2016 White ..... D14/214  
 D757,687 S 5/2016 White et al.  
 D842,840 S \* 3/2019 Choi ..... D14/214

2006/0151237 A1 7/2006 Oxford et al.  
 2013/0301861 A1\* 11/2013 Ho ..... H04R 1/023  
 381/332  
 2014/0348352 A1 11/2014 Hattori et al.  
 2017/0295426 A1\* 10/2017 Park ..... H04R 3/12

OTHER PUBLICATIONS

SR-MF1 Mechanically Steerable Line Array Speaker System, TOAelectronics.com, [online], [site visited Jun. 5, 2019]. URL: <http://www.toaelectronics.com/products/Pro-Audio-Speakers/sr-mf1-mechanically-steerable-line-array-speaker-s> (Year: 2019).\*

WRX-843: Modular Line Array Speaker System, GeminiSound.com, [online], [site visited Jun. 5, 2019]. URL: <https://geminisound.com/products/wrx-843> (Year: 2019).\*

Savant Introduces PoE IP-Enabled Architectural Speakers and Streaming Soundbars at CEDIA 2018, AudioExpress.com, Sep. 11, 2018 00:50, [online], [site visited Jun. 5, 2019]. URL: <https://www.audioexpress.com/news/savant-introduces-poe-ip-enabled-architectural-speakers-and-streaming-so> (Year: 2018).\*

“ALA20T(B): Ultra-Compact, Passive Column Line Array Loudspeaker,” AtlasIED, Atlas Sound L.P. and Innovative Electronic Designs, LLC, published on Mar. 2, 2016, pp. 1-8.

“Elements,” HK Audio, Music & Sales P.E. GmbH, published on Aug. 25, 2014, pp. 1-16.

“Krix Epix In-Wall Speaker,” Clever Home Pty Ltd., published on Jun. 22, 2015, pp. 1-4.

“Line Array In-Wall speakers: EWS-LA63,” Earthquake Sound Corporation, published on Mar. 30, 2017, pp. 1-2.

\* cited by examiner

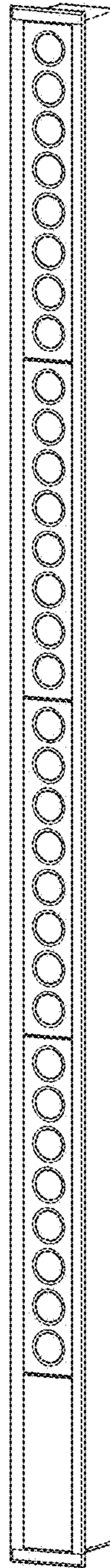


FIG. 1

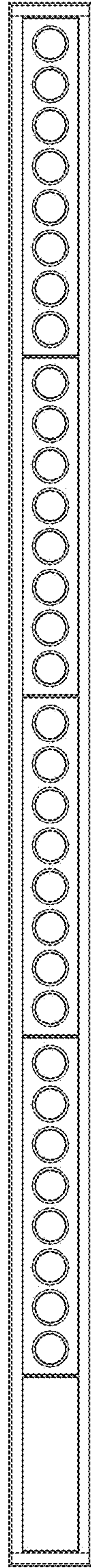


FIG. 2



FIG. 3



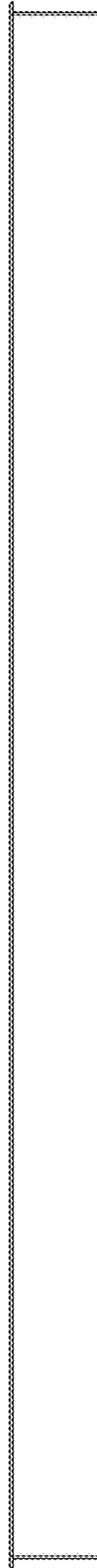


FIG. 4



FIG. 5

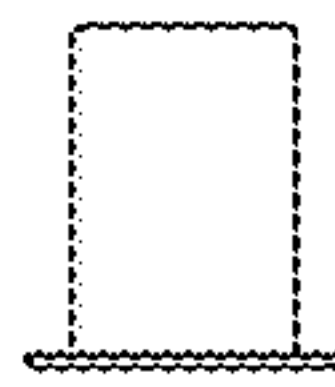


FIG. 6

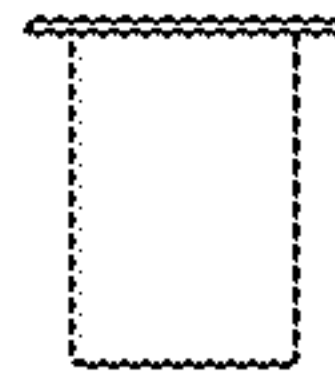


FIG. 7



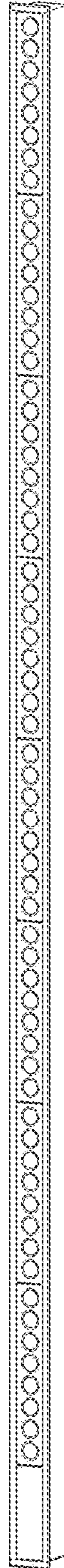


FIG. 8



FIG. 9

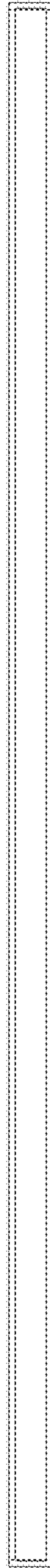


FIG. 10

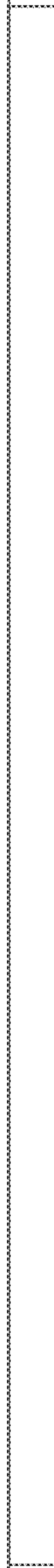


FIG. 11

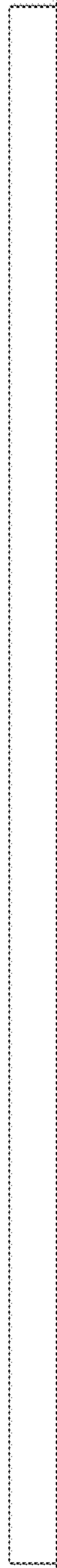


FIG. 12

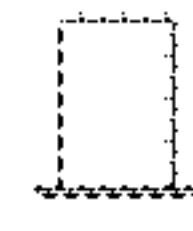


FIG. 13

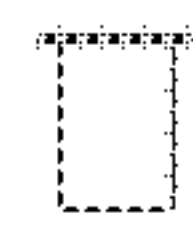


FIG. 14