US00D819002S

(12) **United States Design Patent** (10) **Patent No.: US D819,002 S**
Lee et al. (45) **Date of Patent: ** May 29, 2018**

(54) **REPEATER FOR COMMUNICATIONS APPARATUS**

(71) Applicant: **Samsung Electronics Co., Ltd.**, Suwon-si (KR)

(72) Inventors: **Eunae Lee**, Seoul (KR); **Jihee Kwak**, Seoul (KR)

(73) Assignee: **Samsung Electronics Co., Ltd.**, Suwon-si (KR)

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

(21) Appl. No.: **29/598,849**

(22) Filed: **Mar. 29, 2017**

(30) **Foreign Application Priority Data**

Nov. 18, 2016 (KR) 30-2016-0055491

(51) **LOC (11) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/240**; D14/358

(58) **Field of Classification Search**
USPC D14/125, 129, 130, 137, 140, 142, 155, D14/168, 172, 188, 195, 203.1, 203.6, D14/203.8, 204, 209, 209.1, 216, 230, D14/231, 233, 235, 236, 237, 240, 242, D14/299, 300, 302, 348, 351, 356, 357, D14/358, 361, 362, 365, 367, 370, 388, D14/432, 434, 496, 210, 215, 140.1, D14/140.2, 140.3, 140.4, 140.5, 140.6, D14/140.7, 140.8, 141.1, 141.2, 141.3, D14/170, 194, 219, 221, 257, 500, 501; D13/103, 107, 108, 123, 152, 158, 162, D13/162.1, 163, 168, 184, 199; D10/104.1, 106.2, 106.3, 106.5, 106.6,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,065,076 A * 5/2000 Sorenson G06F 15/0283 345/173
D491,563 S * 6/2004 Sato D14/242
(Continued)

FOREIGN PATENT DOCUMENTS

EM 002101584-0005 9/2012
EM 002319830-0001 10/2013
EM 002441956-0001 4/2014

OTHER PUBLICATIONS

Samsung 4G LTE Network Extender 2, as posted at VerizonWireless.com [online], posting date not available, [site visited Jan. 11, 2018]. Available from the Internet,<URL: https://www.verizonwireless.com/accessories/samsung-4g-lte-network-extender-2/>.*
(Continued)

Primary Examiner — Jeffrey D Asch
Assistant Examiner — Rebekah A Caruso
(74) *Attorney, Agent, or Firm* — NSIP Law

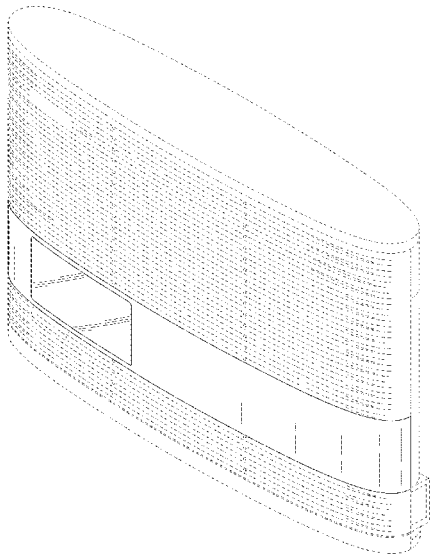
(57) **CLAIM**

We claim the ornamental design for a repeater for communications apparatus, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a repeater for communications apparatus showing our new design;
FIG. **2** is a front elevational view thereof;
FIG. **3** is a rear elevational view thereof;
FIG. **4** is a left-side elevational view thereof;
FIG. **5** is a right-side elevational view thereof;
FIG. **6** is a top plan view thereof; and,
FIG. **7** is a bottom plan view thereof.
The broken lines in the figures depict environmental subject matter and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(58) **Field of Classification Search**
USPC D10/106.9, 106.91, 116.1, 61, 64, 75; D9/432; D23/354, 356, 359, 364, 365, D23/370, 371, 381, 412
CPC ... H04W 88/08; H04W 88/085; H04W 88/00; H04W 88/005; H04W 88/02; H04W 88/12; H04W 88/14; H04W 88/16; H04W 88/18; H04W 4/00; H01Q 1/02; H01Q 1/2291; H01Q 1/246; H04B 1/38
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D551,652	S *	9/2007	Nakamura	D14/168
D560,686	S *	1/2008	Kim	D14/496
D617,299	S *	6/2010	Tzeng	D14/138 AA
D641,343	S *	7/2011	Kim	D14/240
D643,394	S *	8/2011	Kao	D14/138 AA
D664,130	S *	7/2012	Lee	D14/240
D698,341	S *	1/2014	Lee	D14/248
D720,333	S *	12/2014	Akana	D14/217
D724,057	S *	3/2015	Kim	D14/217
D728,524	S *	5/2015	Cho	D14/216
D728,539	S *	5/2015	Dubrule	D14/240
D729,241	S *	5/2015	Sogabe	D14/356
D729,783	S *	5/2015	Ryu	D14/248
D732,516	S *	6/2015	Bae	D14/248
D737,818	S *	9/2015	Peng	D14/365
D740,809	S *	10/2015	Kwon	D14/250
D741,825	S *	10/2015	James	D14/125
D743,402	S *	11/2015	Ehara	D14/432
D743,403	S *	11/2015	Ehara	D14/432
D762,612	S *	8/2016	Yano	D14/149
D778,280	S *	2/2017	Vanderpol	D14/363
D781,273	S *	3/2017	Nuk	D14/240
D785,597	S *	5/2017	Fung	D14/204
D789,337	S *	6/2017	Nuk	D14/240

OTHER PUBLICATIONS

"Verizon and Samsung unveil 4G LTE Network Extender for homes and businesses," Network Extender pictured therein, as posted at News.Samsung.com [online], posted on Jun. 29, 2016, [site visited Jan. 11, 2018]. Available from the Internet,<URL: https://news.samsung.com/us/verizon-samsung-4g-lte-network-extender-%E2%80%A8for-homes-businesses/>.*

* cited by examiner

FIG. 1

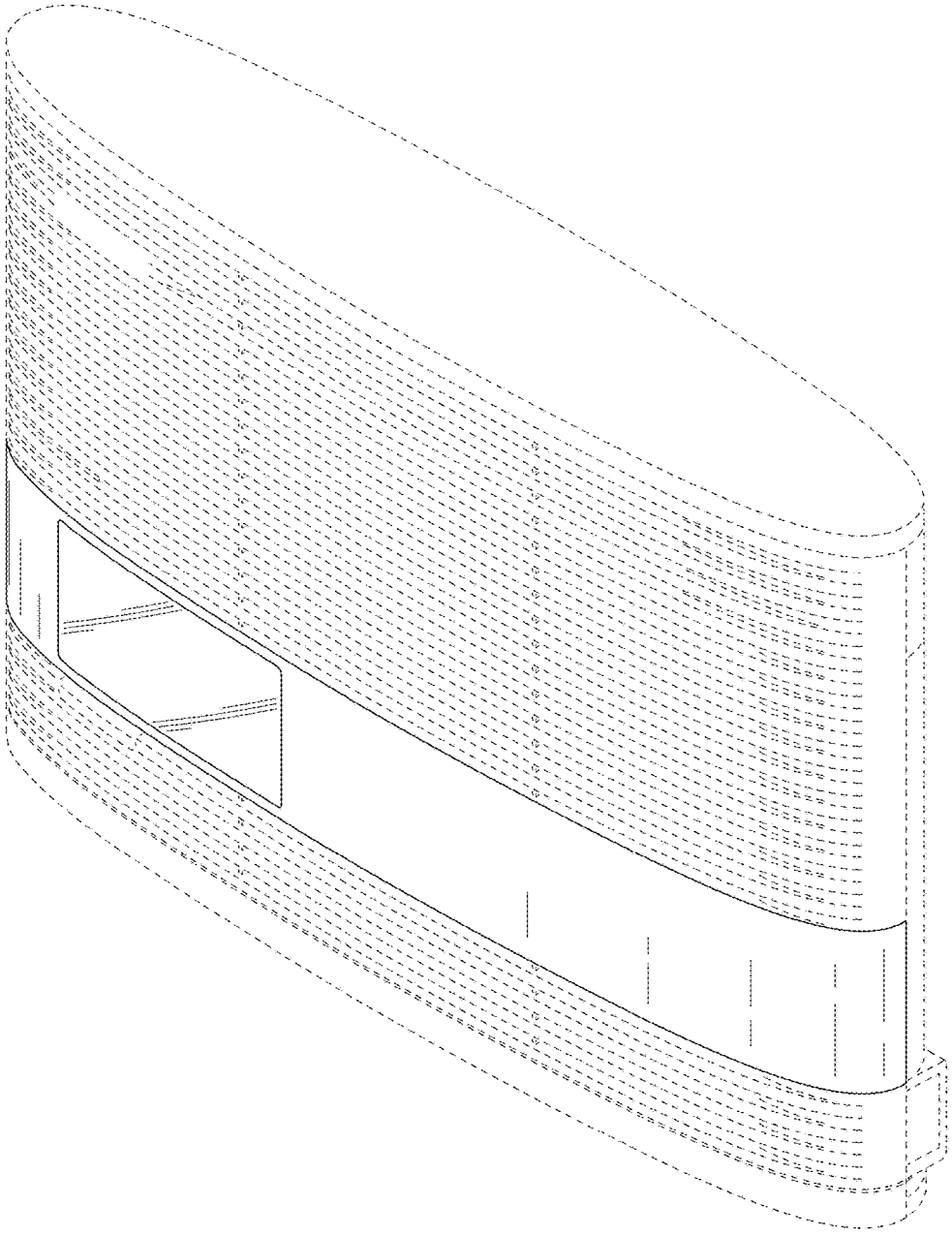


FIG.2

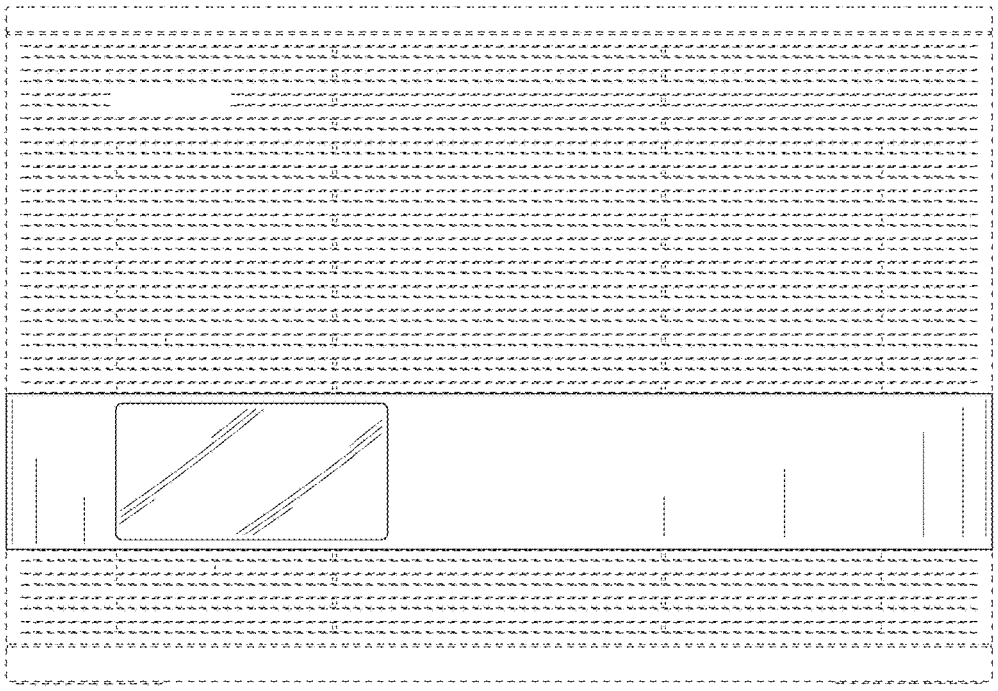


FIG.3

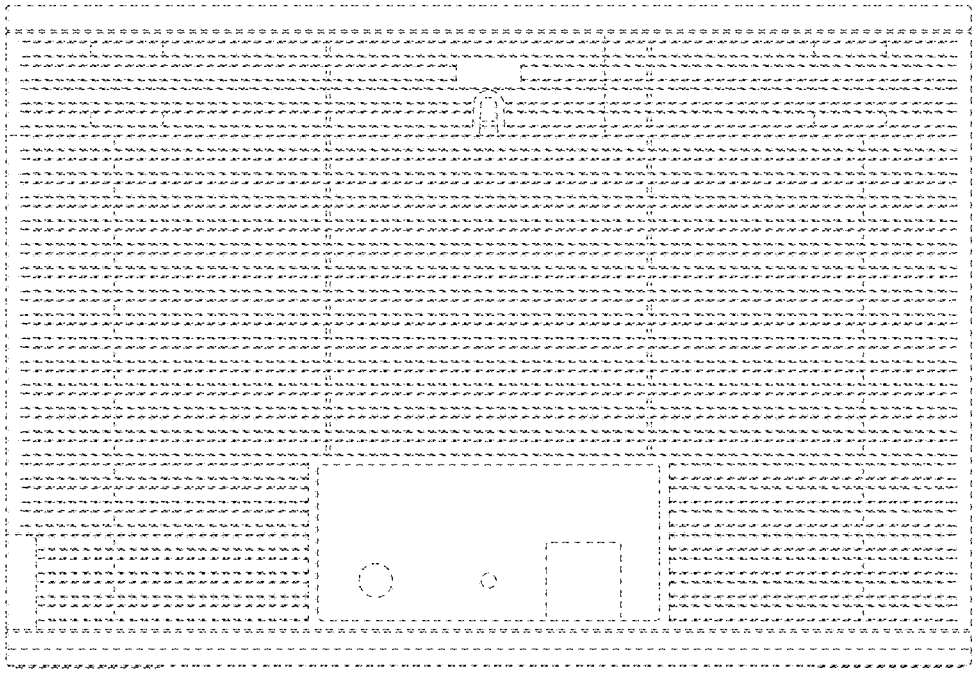


FIG.4

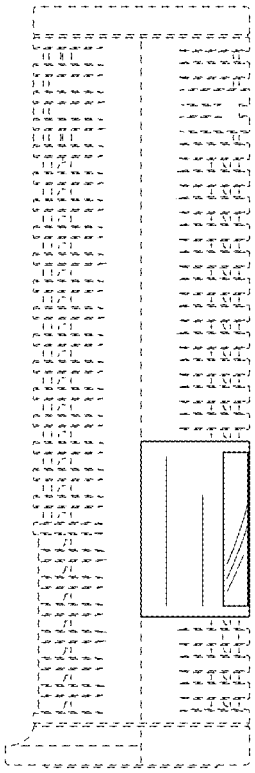


FIG.5

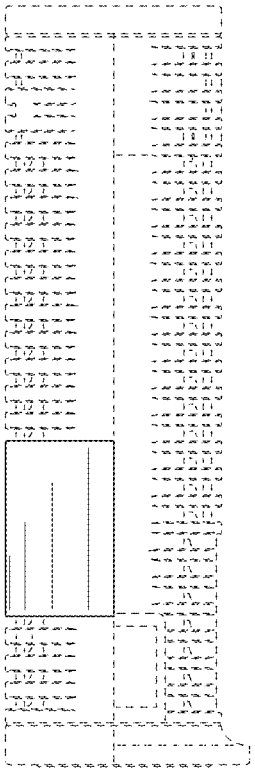


FIG.6

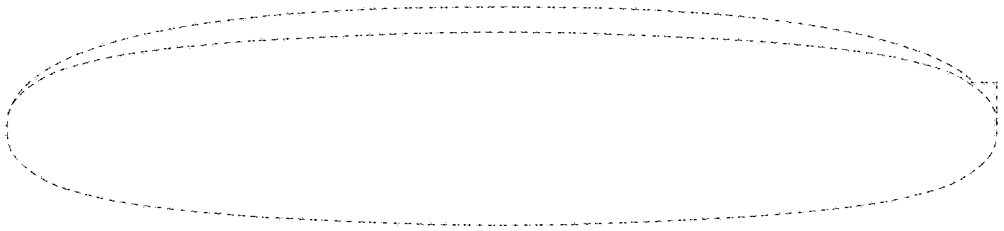


FIG.7

