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(12) **United States Design Patent** (10) **Patent No.:** **US D810,324 S**
Brousseau et al. (45) **Date of Patent:** **** Feb. 13, 2018**

(54) **INSULATION PANEL**

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(52) **U.S. Cl.**
USPC **D25/157**

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3/146; H05B 2203/013; H05B 2203/026;
H05B 2203/032; F24D 3/12; F24D 3/14;
F24D 3/142; F24D 3/146; F24D 13/02;
E04F 15/02; E04F 15/024; E04F 15/18;
H02G 9/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 731,158 A * 6/1903 Blackmore E04C 1/42
428/167
- 2,043,987 A * 6/1936 Brown E04B 1/86
428/132
- 2,166,367 A * 7/1939 Norris B07B 1/4618
101/150

(Continued)

FOREIGN PATENT DOCUMENTS

- CA 2866109 A1 9/2012
- DE 10206835 A1 9/2003

(Continued)

OTHER PUBLICATIONS

Polypipe Solid Underfloor Heating Panel (on-line), dated Aug. 24, 2014. Retrieved from Internet Mar. 24, 2017, URL: https://web.archive.org/web/20140824234734/https://www.colglo.co.uk/productlist.php?category=Polypipe_UFCH_Screed_Floor_Panel (1 page).*

(Continued)

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(57) **CLAIM**

The ornamental design for an insulation panel, as shown and described.

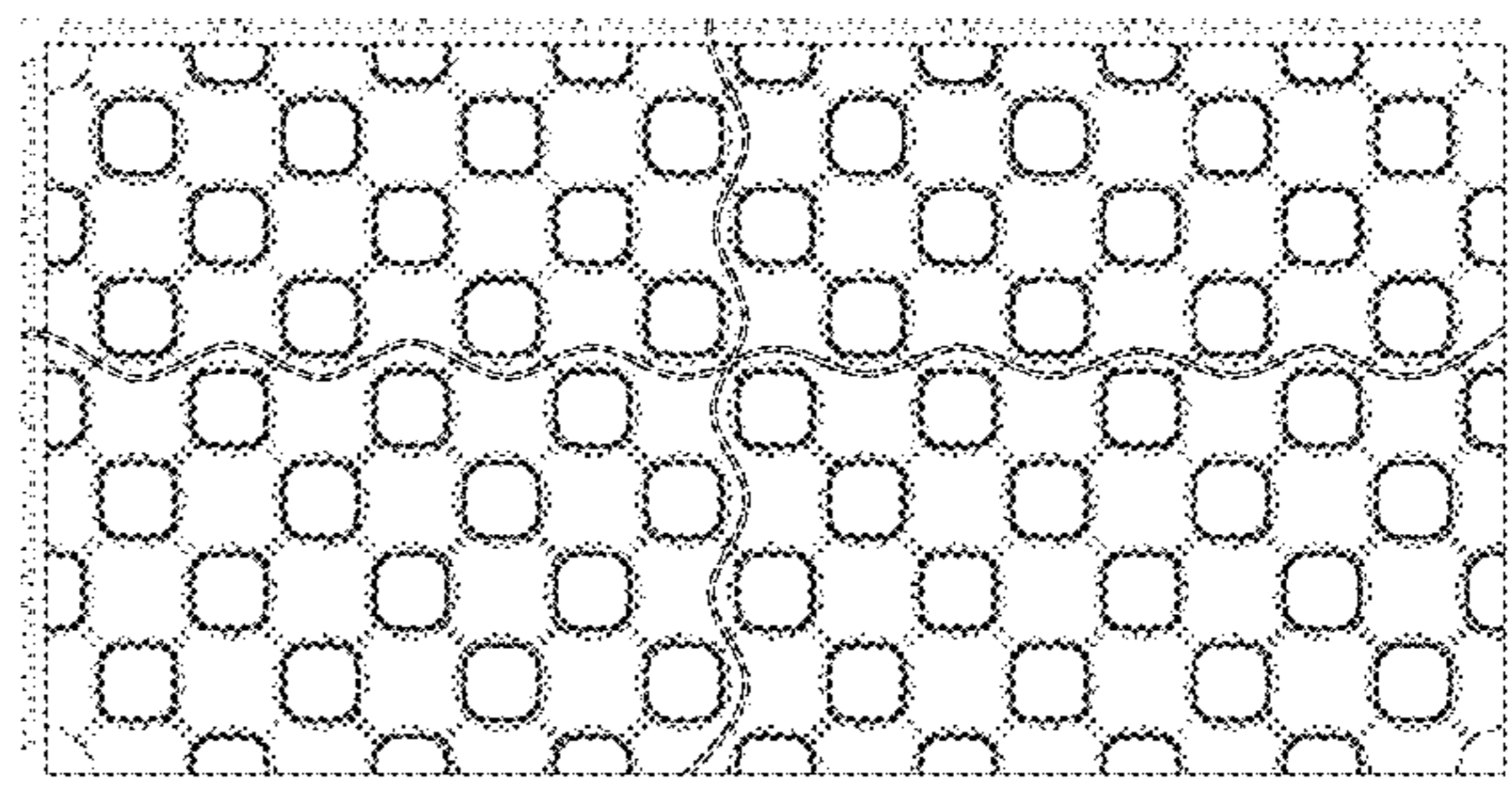
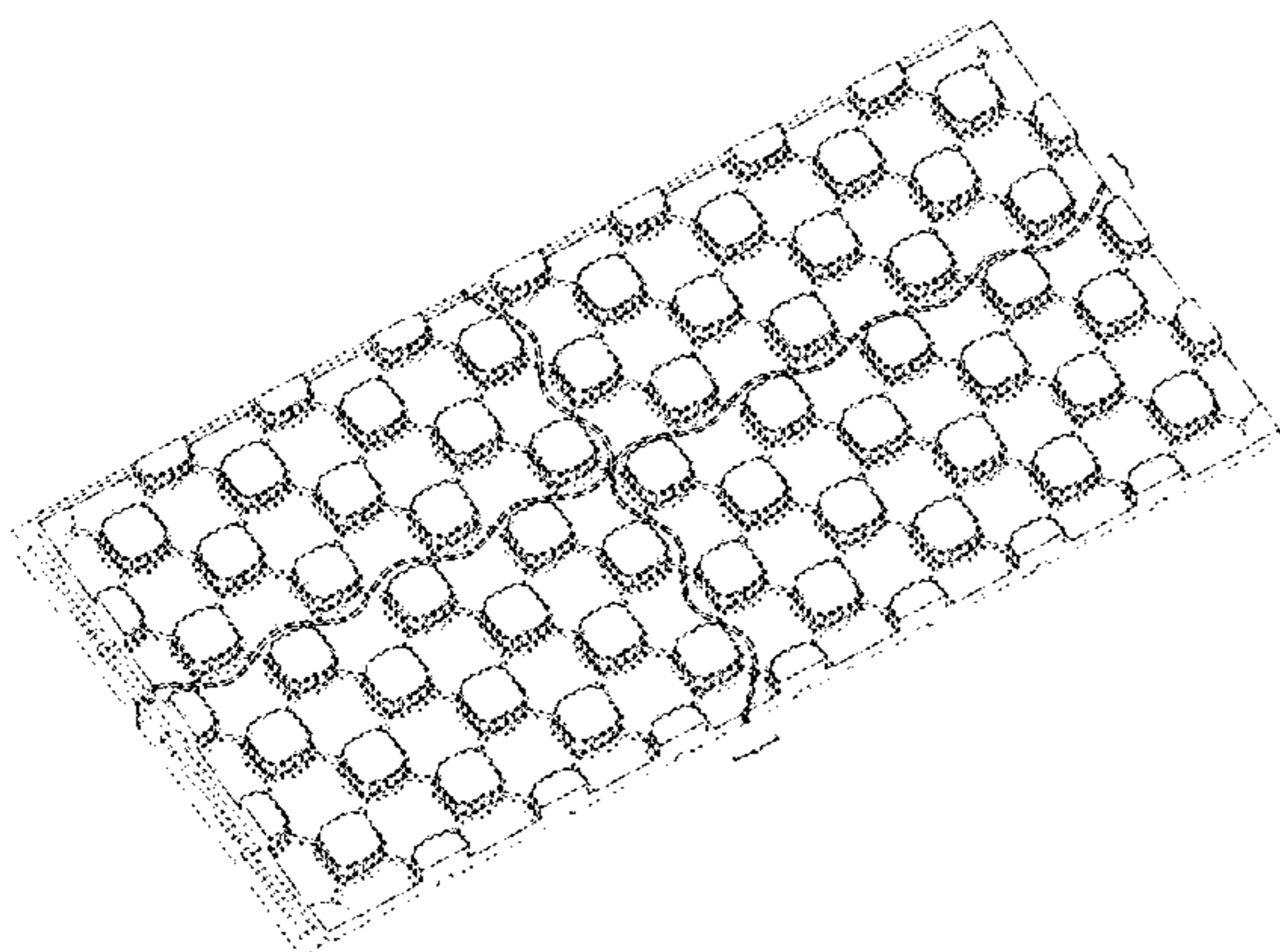
DESCRIPTION

FIG. 1 is a top perspective view of an insulation panel showing our new design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a bottom plan view thereof;
FIG. 4 is a front elevation view thereof;
FIG. 5 is a rear elevation view thereof;
FIG. 6 is a left-side elevation view thereof; and,
FIG. 7 is a right-side elevation view thereof.

The broken lines depict portions of the insulation panel that form no part of the claimed design.

The insulation panel discloses symbolic breaks along the center of its length and width, shown as longer dashed broken lines. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2,280,631 A * 4/1942 Coffey A01B 15/02
181/293
2,405,778 A * 8/1946 Crawford B21D 5/02
428/600
3,339,325 A * 9/1967 Knapp E04F 13/0885
52/309.4
3,561,177 A * 2/1971 Agro et al. E02B 3/126
428/117
D230,268 S * 2/1974 Shuey D25/158
3,802,790 A * 4/1974 Blackburn E01C 7/14
264/31
3,909,996 A * 10/1975 Ettlinger, Jr. E01C 5/20
15/215
4,052,831 A 10/1977 Roberts et al.
4,122,203 A 10/1978 Stahl
4,222,695 A * 9/1980 Sarides B60N 3/046
410/68
4,250,674 A * 2/1981 Feist E04B 5/48
52/220.3
D272,957 S * 3/1984 Bergsland D25/155
4,437,287 A 3/1984 Halkfaker
4,530,877 A 7/1985 Hadley
5,133,654 A 7/1992 Sheen
5,197,244 A * 3/1993 Takeda E04F 15/02405
52/126.5
5,220,760 A 6/1993 Dimakis
5,345,738 A 9/1994 Dimakis
5,399,406 A * 3/1995 Matsuo B32B 3/12
428/166
5,636,489 A 6/1997 Leverrier et al.
D382,352 S * 8/1997 Berger D25/157
6,018,918 A 2/2000 Long, Sr.
6,263,574 B1 7/2001 Lubker, II et al.
D462,130 S * 8/2002 Kotler D25/138
6,511,257 B1 * 1/2003 Seaux E01C 9/086
404/34
6,523,324 B1 2/2003 Porter
6,599,621 B2 7/2003 Porter
6,766,622 B1 7/2004 Thiers
7,168,217 B2 1/2007 Weber
D587,358 S * 2/2009 Stephan D23/314
7,594,365 B2 * 9/2009 Kang F24D 3/142
181/168
7,617,651 B2 11/2009 Grafenauer
7,651,757 B2 * 1/2010 Jones E04F 15/18
428/158
7,834,447 B2 * 11/2010 Karavakis H01L 23/3737
257/713
7,874,118 B2 1/2011 Schitter
7,914,914 B2 3/2011 Tinianov
7,918,062 B2 4/2011 Chen
8,082,717 B2 12/2011 Dammers
D679,031 S * 3/2013 Amend D25/138
8,567,149 B2 * 10/2013 Kuzmin A63H 33/08
52/592.1
D703,347 S * 4/2014 Masanek, Jr. D25/163
D704,356 S * 5/2014 Masanek, Jr. D25/163
D721,191 S * 1/2015 Amend D25/157
8,931,592 B2 * 1/2015 Savian B64C 1/066
181/210
8,973,328 B2 * 3/2015 Masanek, Jr. E04F 15/02005
52/394
9,339,981 B2 * 5/2016 Masanek, Jr. B29D 99/0057
9,398,996 B2 * 7/2016 Sippola A61H 3/066
D767,170 S * 9/2016 Labonte D25/138
D773,697 S * 12/2016 Amend D25/157
9,567,714 B2 * 2/2017 Sawyer E01C 3/006
9,604,428 B2 * 3/2017 Walker B32B 3/18

2005/0159057 A1 7/2005 Hauber et al.
2006/0019568 A1 1/2006 Toas et al.
2006/0123723 A1 6/2006 Weir et al.
2008/0016802 A1 1/2008 Rheaume
2008/0168728 A1 7/2008 Scherrer
2008/0241440 A1 10/2008 Bauer
2008/0245007 A1 10/2008 McDonald
2008/0295450 A1 12/2008 Yogev
2009/0230113 A1 * 9/2009 Batori F24D 3/142
219/213
2009/0313935 A1 12/2009 Montgomery
2010/0101457 A1 4/2010 Surace et al.
2011/0047912 A1 3/2011 Armijo
2011/0064901 A1 3/2011 Blackburn et al.
2011/0197530 A1 8/2011 Bahnmler
2011/0214372 A1 9/2011 Mullet et al.
2011/0266088 A1 11/2011 Koike et al.
2012/0073217 A1 3/2012 Wilson
2012/0073228 A1 3/2012 Fork et al.
2015/0376895 A1 * 12/2015 Fox F24F 7/00
52/302.3
2016/0160502 A1 * 6/2016 Brousseau E04C 2/205
52/309.4

FOREIGN PATENT DOCUMENTS

DE 102010018452 A1 10/2011
DE 202011106980 U1 11/2011
EP 3046256 A1 2/1982
EP 3085196 A1 8/1983
FR 2585747 A1 2/1987
GB 1516552 A 7/1978
GB 2238329 A 5/1991
SU 385489 A1 11/1981
WO 2012001399 A1 1/2012

OTHER PUBLICATIONS

Creatherm blog (on-line), dated Dec. 9, 2010. Retrieved from Internet Mar. 30, 2017, URL: <http://creatherm.blogspot.com/> (7 pages).*

Creatherm Photo Gallery (on-line), dated May 29, 2014. Retrieved from Internet Mar. 30, 2017, URL: https://web.archive.org/web/20140529100824/http://www.creatherm.com/professionals/photo_gallery (1 page).*

Canac—Isorad V2 Insulation Panel for Radiant Floor Heating (on-line), no date available. Retrieved from Internet Mar. 30, 2017, URL: http://www.canac.ca/en/product/building-materials/insulation-soundproofing/rigid-insulation-panels/isorad-v2-insulation-panel-for-radiant-floor-heating-br-2-12-in-x-4-ft-x-4-ft_32606.aspx (3 pages).*

Logix Insulated Concrete Forms, Heat-Sheet.

Schluter Systems (Canada) Inc., “Schluter—Bekotec—Modular Screed Systems”, Ste-Anne de Bellevue, Québec, Canada, Copyright 2016, http://www.schluter.ca/schluter-ca/en_CA/Modular-Screed-Systems/Schluter%C2%AE-BEKOTEC/p/BEKOTEC, 3 pgs.

Logix Insulated Concrete Forms Ltd., “Heat-Sheet—The advanced radiant floor panel”, USA, Copyright 2016, <http://heat-sheet.com/>, 13 pgs.

Polyform Cellular Plastics Inc., “Hydrofoam 360—Moulded insulation board for hydronic floor heating”, Granby, Canada, Copyright 2016, <http://www.polyform.com/hydrofoam>, 3 pgs.

Creatherm LLC, “Radiant Floor Panels”, Westfield, USA, Copyright 2016, <https://www.creatherm.com/>, 4 pgs.

Crete-Hete, LLC, “Crete-Heat—Insulated floor panel systems”, 2008, <http://www.crete-heat.com/>, 1 pg.

* cited by examiner

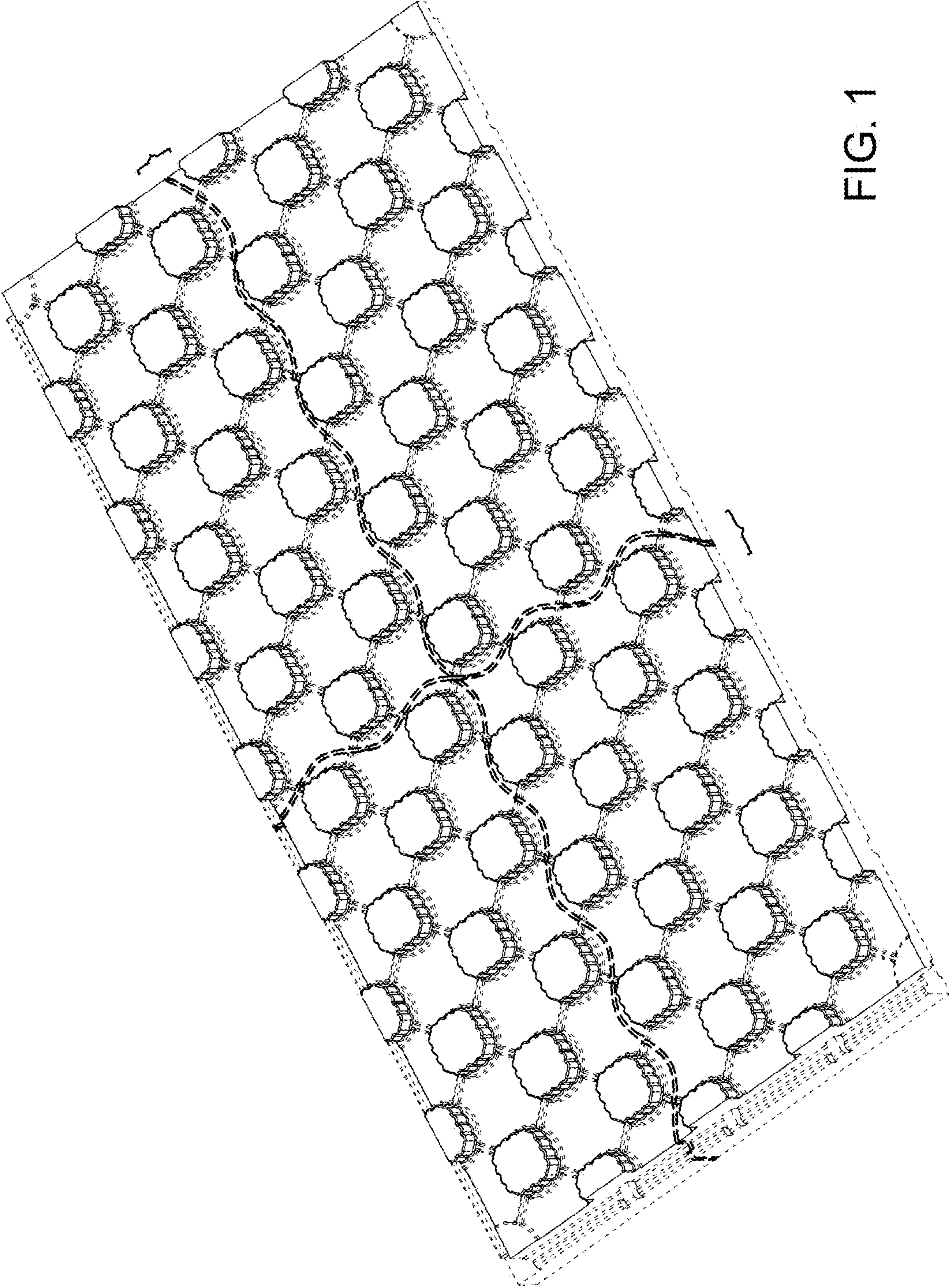


FIG. 1

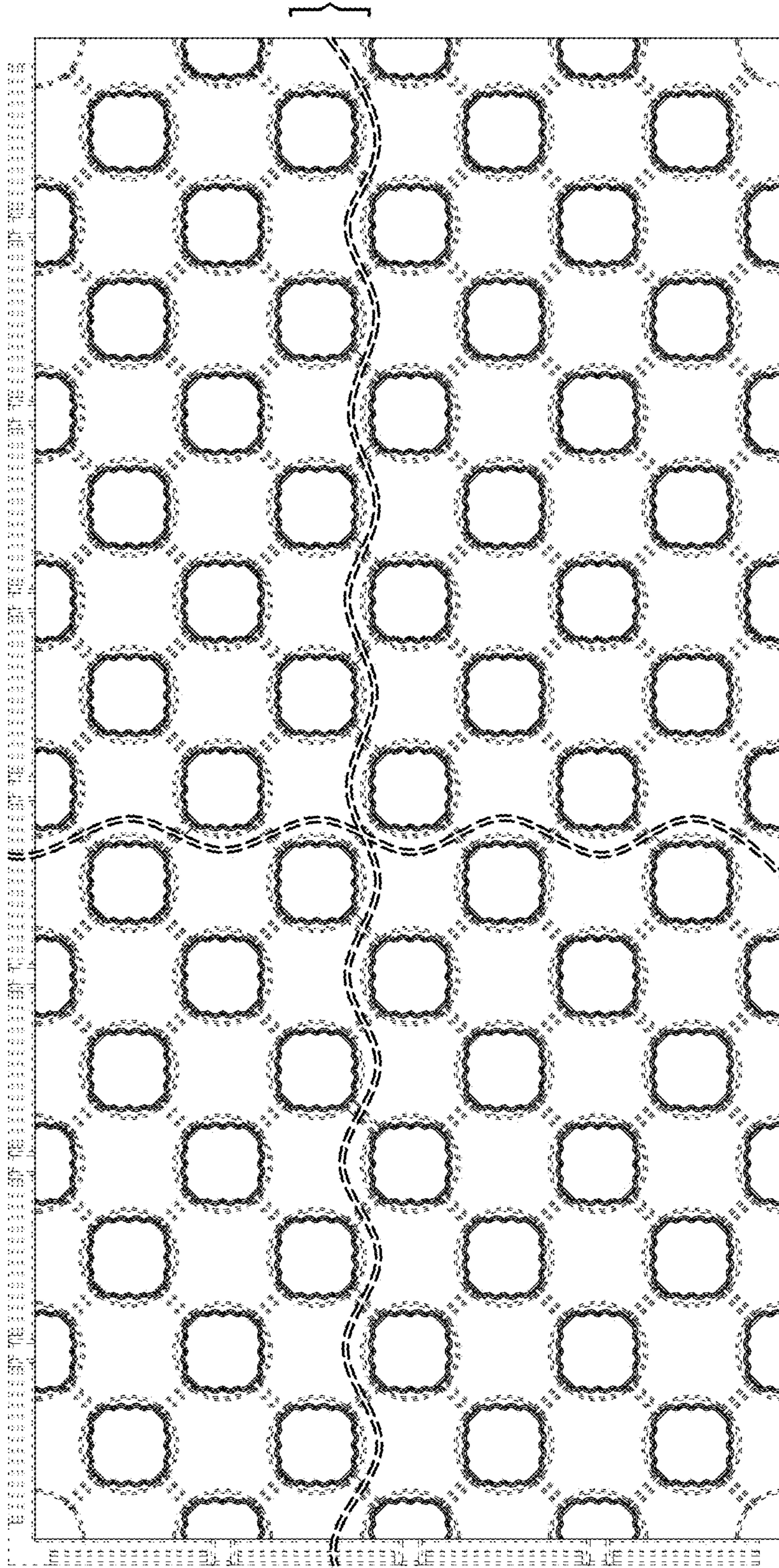


FIG. 2

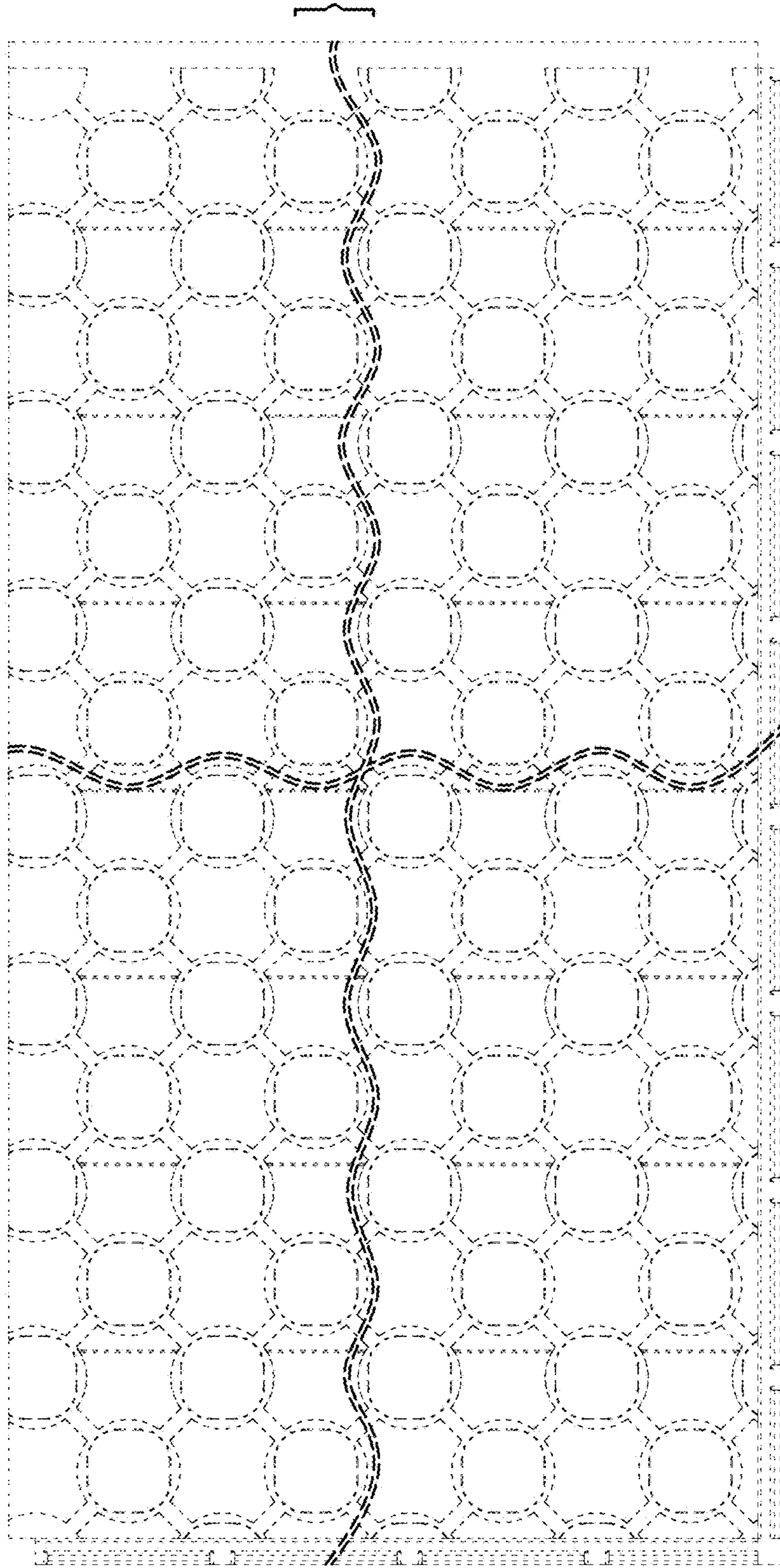


FIG. 3

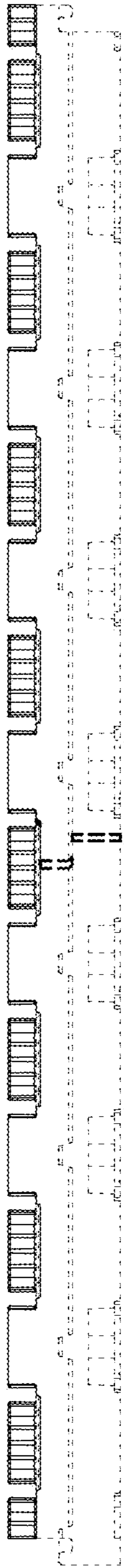


FIG. 4

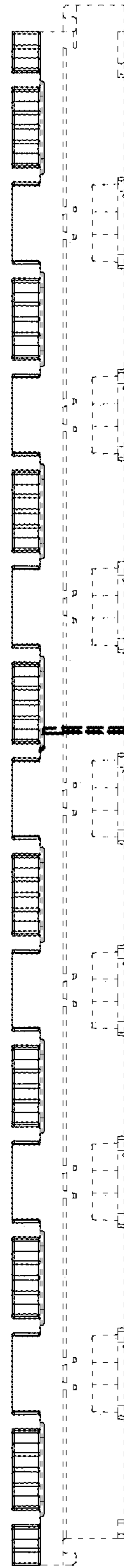


FIG. 5

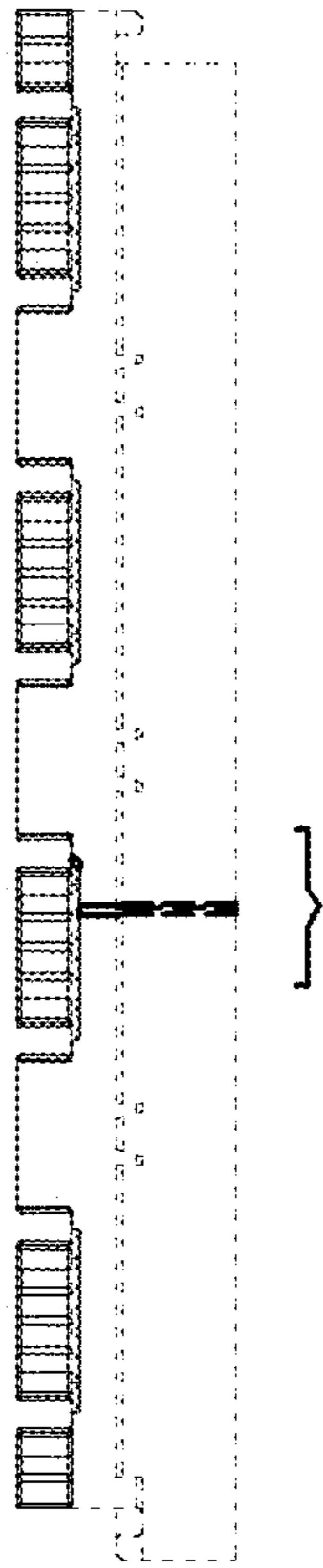


FIG. 6

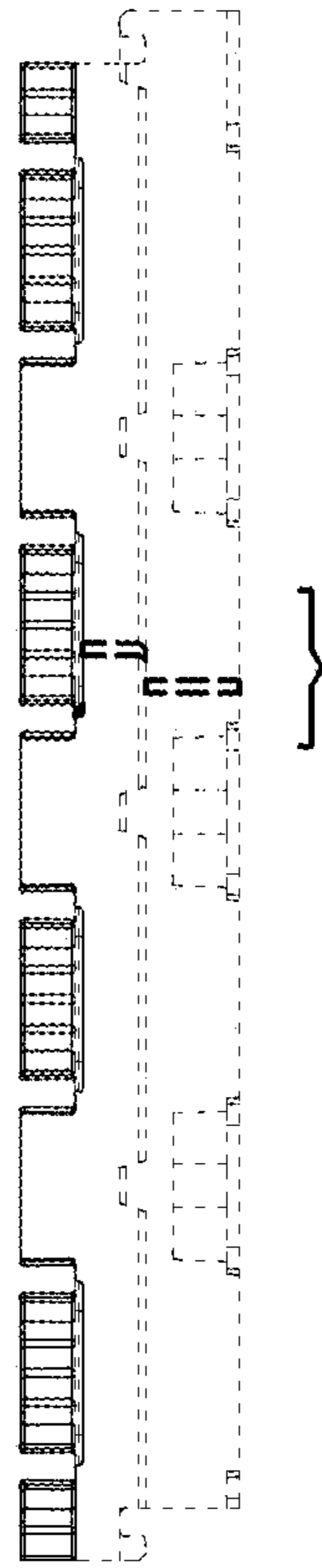


FIG. 7