



US00D946907S

(12) **United States Design Patent** (10) **Patent No.:** **US D946,907 S**
Corrigan (45) **Date of Patent:** **** Mar. 29, 2022**

(54) **SHEET WITH SLITS**
(71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
(72) Inventor: **Thomas R. Corrigan**, St. Paul, MN (US)
(73) Assignee: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/744,502**
(22) Filed: **Jul. 29, 2020**
(51) **LOC (13) Cl.** **05-03**
(52) **U.S. Cl.**
USPC **D5/56; D9/713**
(58) **Field of Classification Search**
USPC D5/1, 2, 3, 4, 7, 11, 12, 19, 23, 25, 39, D5/43, 46, 47, 48, 50, 51, 53, 54, 55, 56, D5/57, 58, 59, 60, 61; D6/585, 612, 613, D6/622, 617, 594, 596, 601, 602, 603, D6/608, 611, 616; D19/1, 5; D25/138, D25/157, 158, 160; D9/713
CPC F41H 3/02; A47L 13/16; D03D 15/0033; D06C 23/00; D05C 17/00; B44C 5/0469; A47G 23/03; A47G 23/0303
See application file for complete search history.

3,944,694 A 3/1976 McQueary
3,992,162 A 11/1976 Gewiss
4,105,724 A 8/1978 Talbot
4,516,891 A 5/1985 Wnuk
4,620,633 A 11/1986 Lookholder
4,879,124 A 11/1989 Oberle
5,086,924 A 2/1992 Oberle
5,092,468 A 3/1992 Slocumb
5,105,539 A 4/1992 Maus
5,139,844 A 8/1992 Maus
5,207,020 A 5/1993 Aslam
5,344,595 A 9/1994 Aoki
5,573,818 A 11/1996 Haywood
5,782,735 A 7/1998 Goodrich
6,676,011 B2 1/2004 Luu
6,712,747 B1 3/2004 Ballard
6,726,974 B1 4/2004 Pflug
6,832,461 B2 12/2004 Crye

(Continued)

FOREIGN PATENT DOCUMENTS

CN 2744618 12/2005
CN 102382481 2/2014

(Continued)

Primary Examiner — Jennifer L Rempfer
(74) *Attorney, Agent, or Firm* — 3M IPC

(57) **CLAIM**

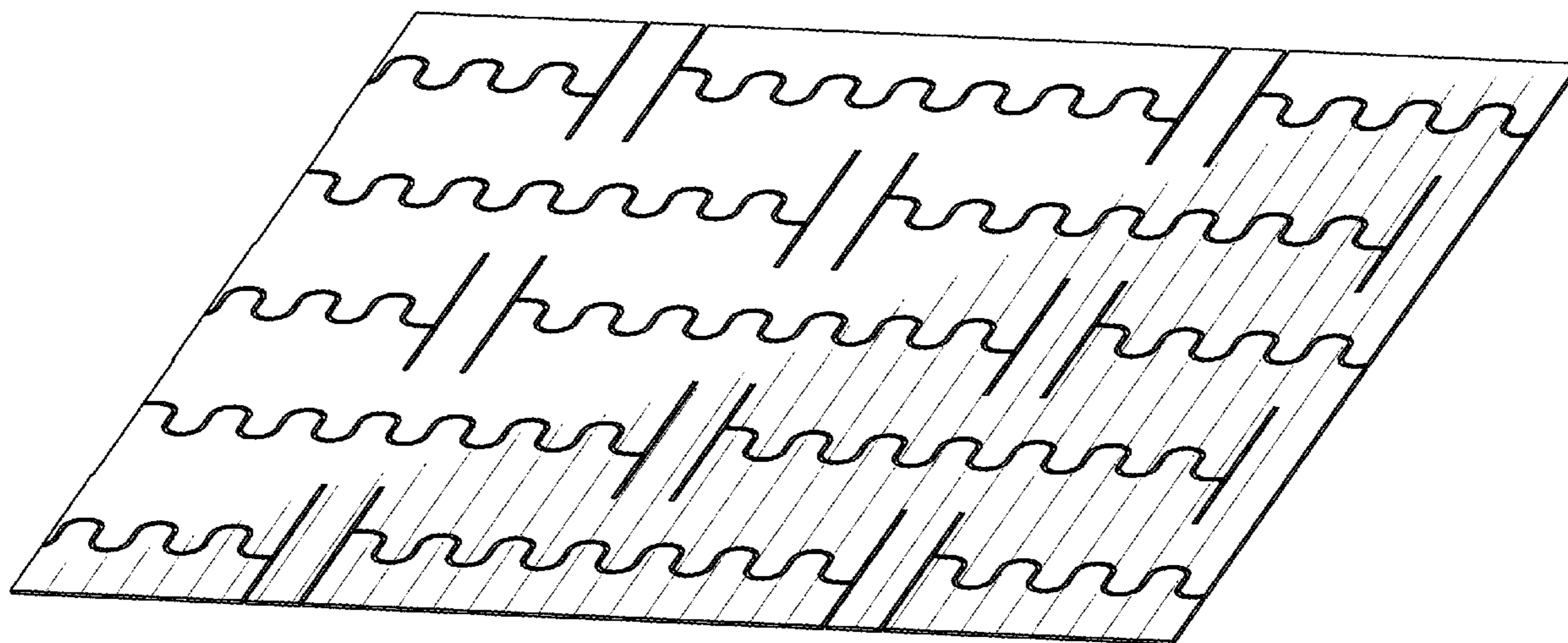
The ornamental design for a sheet with slits, as shown and described.

DESCRIPTION

FIG. 1 is a three-quarter profile view of showing the new design;
FIG. 2 is a top view thereof;
FIG. 3 is a bottom view thereof;
FIG. 4 is left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is front view thereof; and,
FIG. 7 is a back view thereof.

1 Claim, 4 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS
3,040,968 A 6/1962 Long
3,067,039 A 12/1962 Crane
3,069,067 A 12/1962 Crane
3,109,579 A 11/1963 Crane
3,245,606 A 4/1966 Crane
3,432,379 A 3/1969 Anderson
3,550,842 A 12/1970 Scholz
3,603,369 A 9/1971 Scholz
3,762,629 A 10/1973 Bruno



(56)

References Cited

U.S. PATENT DOCUMENTS

6,929,843 B2 8/2005 Kuchar
 6,948,618 B2 9/2005 Luu
 7,018,669 B2 3/2006 Kosaka
 7,051,489 B1 5/2006 Swiszc
 7,146,779 B2 12/2006 Swiszc
 7,194,846 B2 3/2007 Swiszc
 7,207,151 B2 4/2007 Swiszc
 7,377,084 B2 5/2008 Swiszc
 7,398,624 B2 7/2008 Swiszc
 7,410,455 B2 8/2008 Akishev
 7,762,938 B2 7/2010 Gale
 7,850,896 B2 12/2010 Endres
 7,985,192 B2 7/2011 Sheehan
 8,298,647 B2 10/2012 Conner
 8,431,208 B2 4/2013 Demetriou
 8,449,718 B2 5/2013 Nozaki
 8,481,143 B2 7/2013 Dean
 8,580,080 B2 11/2013 Nozaki
 8,613,993 B2 12/2013 Kuchar
 8,668,855 B2 3/2014 Bradford
 8,708,145 B2 4/2014 Kuo
 8,919,689 B2 12/2014 Kuchar
 8,926,305 B2 1/2015 Kuchar
 8,979,014 B2 3/2015 Boock
 9,169,097 B2 10/2015 Kuchar
 9,221,230 B2 12/2015 Dean
 9,469,088 B2 10/2016 Stanley
 9,533,809 B2 1/2017 Kuchar
 9,579,866 B2 2/2017 Ros
 9,682,537 B2 6/2017 Stanley
 9,815,258 B2 11/2017 Stanley
 10,005,261 B2 6/2018 Stanley
 10,226,907 B2 3/2019 Goodrich
 2002/0020142 A1 2/2002 Swiszc
 2002/0053176 A1 5/2002 Colson
 2005/0089675 A1 4/2005 Christiansen
 2008/0075916 A1 3/2008 Bradford
 2008/0075917 A1 3/2008 Park
 2008/0131654 A1 6/2008 Bradford
 2010/0108557 A1 5/2010 Weder
 2010/0108563 A1 5/2010 Weder
 2011/0186474 A1 8/2011 Weder

2011/0244177 A1 10/2011 Nässtrom
 2013/0292287 A1 11/2013 Stanley
 2013/0292395 A1 11/2013 Stanley
 2013/0292413 A1 11/2013 Stanley
 2014/0004299 A1 1/2014 Wiegersma
 2014/0302276 A1 10/2014 Kusu
 2015/0247298 A1 9/2015 Li
 2016/0136877 A1 5/2016 Rogers
 2017/0107017 A1 4/2017 Kuchar
 2017/0182723 A1 6/2017 Calisch
 2017/0203866 A1 7/2017 Goodrich
 2017/0267018 A1 9/2017 Tepe
 2018/0126680 A1 5/2018 Pflug
 2018/0127197 A1 5/2018 Goodrich
 2018/0281336 A1 10/2018 Cheich
 2018/0370702 A1 12/2018 Goodrich
 2019/0047245 A1 2/2019 Joo

FOREIGN PATENT DOCUMENTS

DE 202010008483 11/2010
 DE 102013000149 9/2013
 EP 0532829 9/1995
 GB 2545635 6/2017
 JP 2003-285875 10/2003
 JP 4025444 10/2007
 JP 4339915 10/2009
 JP 4347709 10/2009
 JP 4707043 6/2011
 JP 5133587 1/2013
 JP 5294671 9/2013
 JP 5357577 12/2013
 JP 5580586 8/2014
 JP 5886240 3/2016
 JP 2017-193373 10/2017
 JP 2017-193376 10/2017
 KR 20-0211896 2/2001
 KR 2001-0109035 12/2001
 KR 20-0322756 8/2003
 KR 10-0432562 5/2004
 KR 10-1923563 11/2018
 NZ 226699 11/1990
 WO WO 2011-059347 5/2011
 WO WO 2014-177132 11/2014
 WO WO 2015-035335 3/2015
 WO WO 2018-191012 10/2018

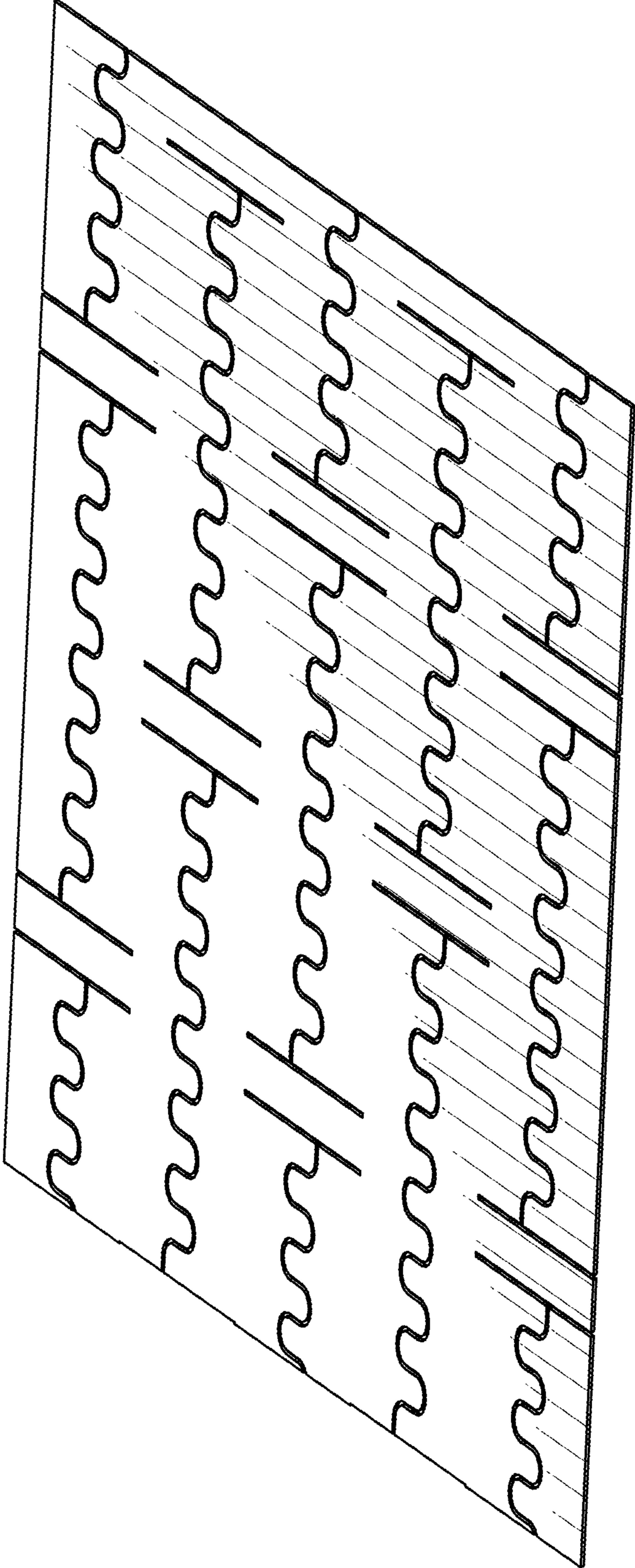


FIG. 1

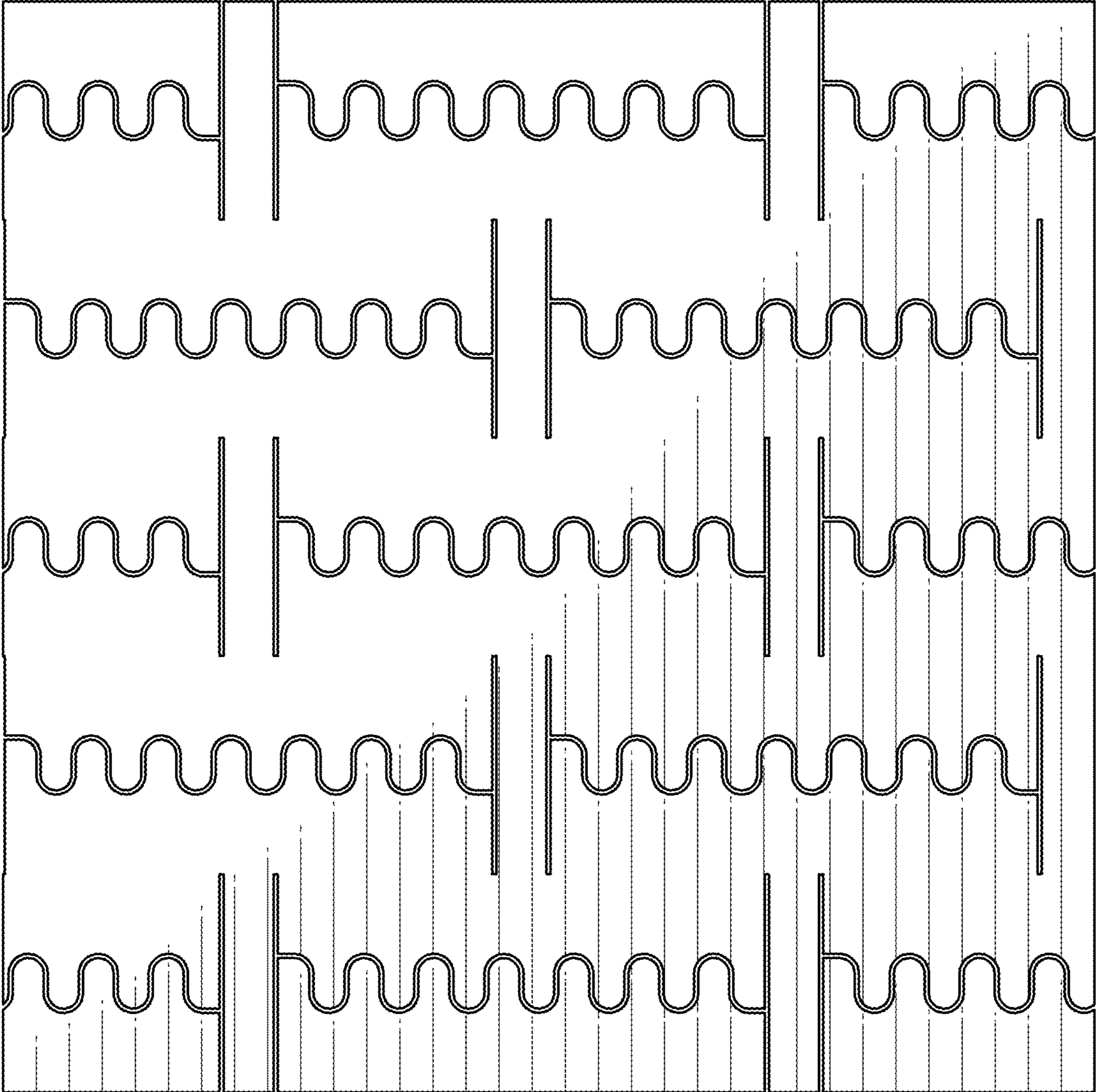


FIG. 2

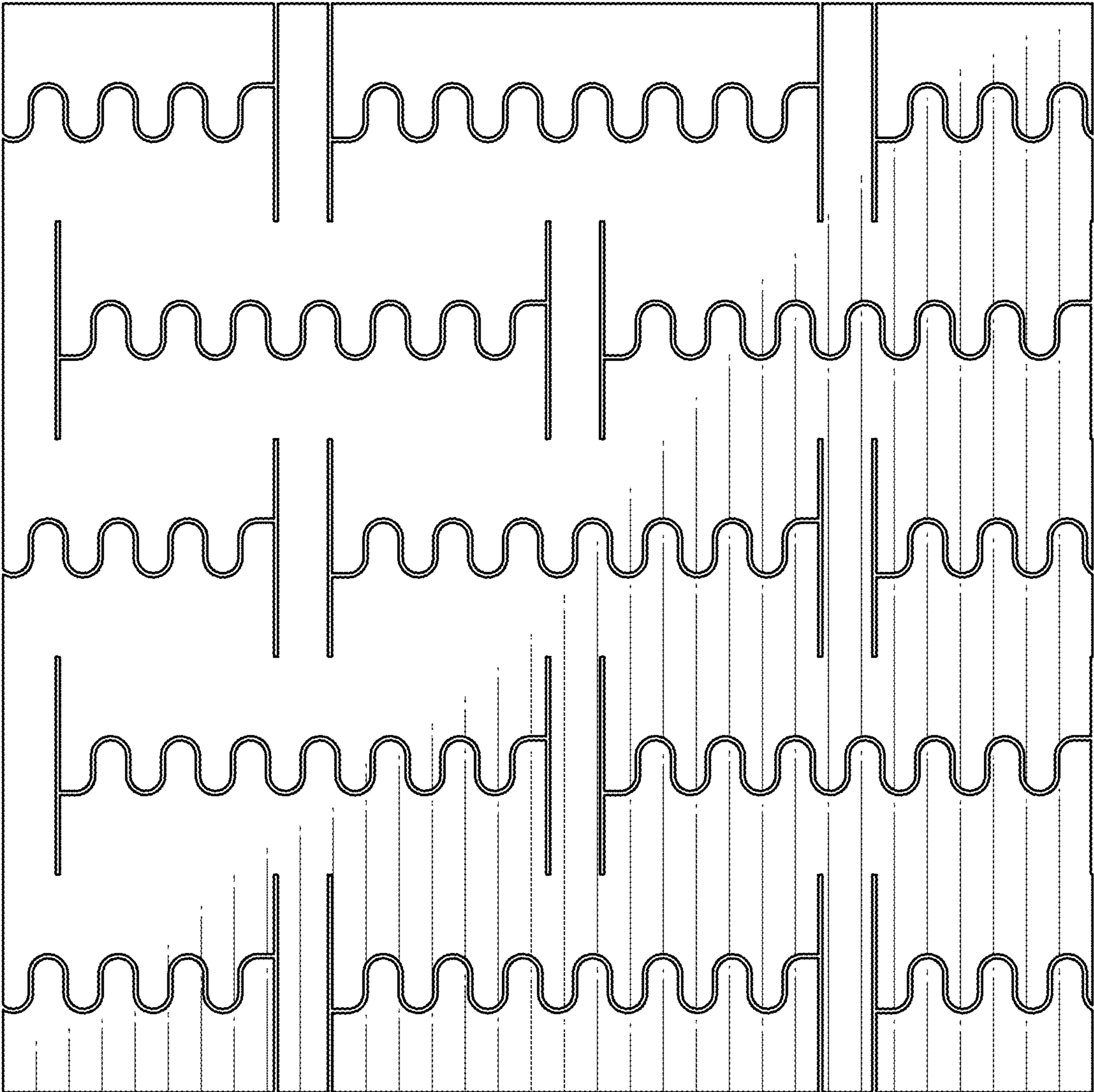


FIG. 3



FIG. 4



FIG. 5



FIG. 6



FIG. 7