



US00D913527S

(12) **United States Design Patent** (10) **Patent No.:** **US D913,527 S**
Scales et al. (45) **Date of Patent:** **** Mar. 16, 2021**

(54) **ENVELOPE FOR CONSTRUCTING A MAT OF SPACED BLOCKS**
(71) Applicant: **Synthetex, LLC**, Peachtree Corners, GA (US)
(72) Inventors: **John M Scales**, Tryon, NC (US); **Thomas E Evans, Jr.**, Atlanta, GA (US)
(73) Assignee: **Synthetex, LLC**, Peachtree Corners, GA (US)
(**) Term: **15 Years**
(21) Appl. No.: **29/667,005**
(22) Filed: **Oct. 17, 2018**
(51) **LOC (13) Cl.** **25-01**
(52) **U.S. Cl.**
USPC **D25/113**
(58) **Field of Classification Search**
USPC D8/1; D25/113
CPC E02B 3/127; E02B 3/126; E02B 3/125; E02B 3/122
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
3,474,626 A * 10/1969 Colle E02B 3/127 405/18
4,102,137 A * 7/1978 Porraz E02B 3/127 405/172
4,184,788 A * 1/1980 Colle E02B 3/127 405/18

(Continued)
OTHER PUBLICATIONS
Motz Enterprises, Inc., www.flexmat.com, Motz Enterprises, Inc., 3153 Madison Road, Cincinnati, Ohio 45209 (believed to be at least prior to Oct. 17, 2018; printed Feb. 20, 2019).
(Continued)

Primary Examiner — Sheryl Lane
Assistant Examiner — Calvin E Vansant
(74) *Attorney, Agent, or Firm* — Baker Donelson; Carl M. Davis, II

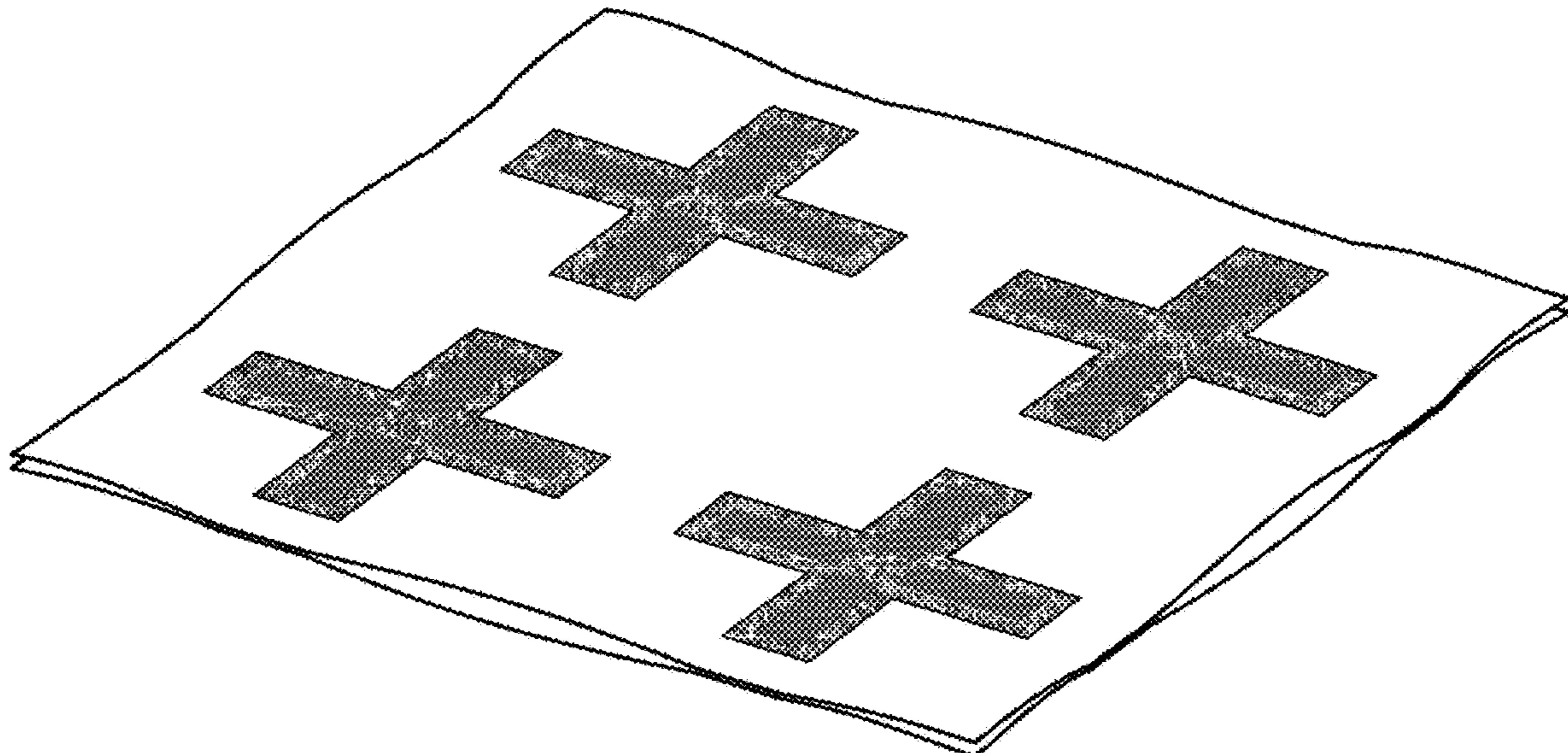
(57) **CLAIM**

We claim the ornamental design for an envelope for constructing a mat of spaced blocks, as shown.

DESCRIPTION

FIG. 1 illustrates an upper right perspective view of our new design for an envelope for constructing a mat of spaced blocks;
FIG. 2 illustrates a top plan view thereof, the opposing bottom view being a mirror image;
FIG. 3 illustrates a front elevational view thereof, the back elevational view being a mirror image; and,
FIG. 4 illustrates a right side elevational view thereof, the left side elevational view being a mirror image thereof.
The envelope illustrated in FIG. 1 forms a mat of spaced blocks for surface overlay purposes, including but not limited to use as an erosion control mat for covering and stabilization of ground surfaces subject to water erosion including ground slopes, water flow channels, shorelines, and underwater surfaces, as well as a separation and vertical drainage layer for marine applications under large stone rip rap, a ballast layer to provide weight for sinking another material that would normally float and as a protective layer/vertical drainage over such material. The envelope has a plurality of central portions separated by cruxiform portions, which filled with a curable flowable material forms mat of spaced blocks. The envelope may be formed of a woven fabric material.
Shading has been applied, for illustrative purposes and the shading lines themselves form no part of the claimed invention.

1 Claim, 3 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,417,828 A * 11/1983 de Winter E02B 3/122
405/17
4,449,847 A 5/1984 Scales
4,481,242 A * 11/1984 Fletcher A01M 21/00
405/258.1
4,518,280 A * 5/1985 Fletcher E02B 3/126
405/15
4,657,433 A * 4/1987 Holmberg E02B 3/04
405/21
5,257,878 A * 11/1993 Peterson E02B 3/125
405/15
5,511,910 A 4/1996 Scales
D392,750 S 3/1998 Scales
D399,577 S 10/1998 Scales
5,921,710 A 7/1999 Scales
D415,576 S 10/1999 Scales
D456,224 S * 4/2002 Lancaster D8/1
D456,674 S * 5/2002 Lancaster D8/1
D466,378 S * 12/2002 Lancaster D8/1
6,524,670 B1 * 2/2003 Kataoka B32B 9/02
206/204
7,329,069 B2 * 2/2008 Slater E02B 3/108
383/32
D661,408 S * 6/2012 Riccobene D25/113

D708,026 S * 7/2014 Klekota D8/1
8,950,160 B1 * 2/2015 Ridings, III B65D 25/34
383/32
9,745,713 B2 * 8/2017 Breitenbeck E02D 29/02
D812,441 S * 3/2018 Pratt D8/1
10,392,764 B1 * 8/2019 Sanchez E02B 3/14
2003/0126810 A1 * 7/2003 Brunson E04B 1/7061
52/169.5
2009/0123228 A1 * 5/2009 Lacroix E01C 5/005
404/35

OTHER PUBLICATIONS

Motz Enterprises, Inc., "Flexamat® Permanent Erosion Control Solutions Erosion Prevention and Protection", 28 pages, (2017), Motz Enterprises, Inc., 3153 Madison Road, Cincinnati, Ohio 45209.
Nilex, Inc., "EnviroGrid Cellular Confinement System (geocell) Erosion & Sediment Control Product Overview", Nilex, Inc., 6810 8 Street NW, Edmonton, AB T6P 0C5, Canada (Jun. 2017).
Nilex, Inc., "Erosion & Sediment Control", Nilex, Inc., 6810 8 Street NW, Edmonton, AB T6P 0C5, Canada (believed to be at least prior to Oct. 17, 2018).
Evans, Thomas E and Scales, John, "Block for Erosion Control Mat", U.S. Appl. No. 29/667,006, filed Oct. 17, 2018.

* cited by examiner

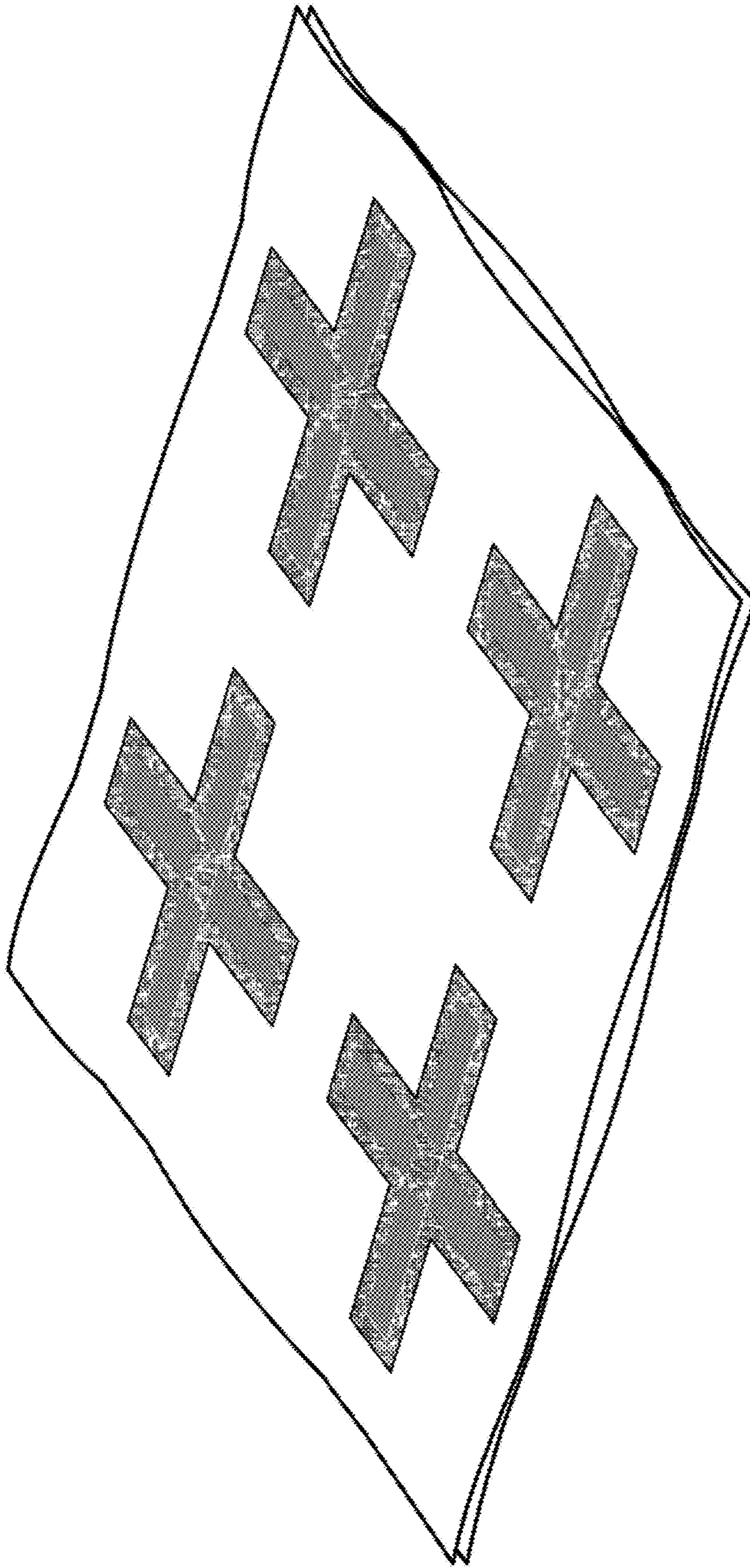


FIG. 1

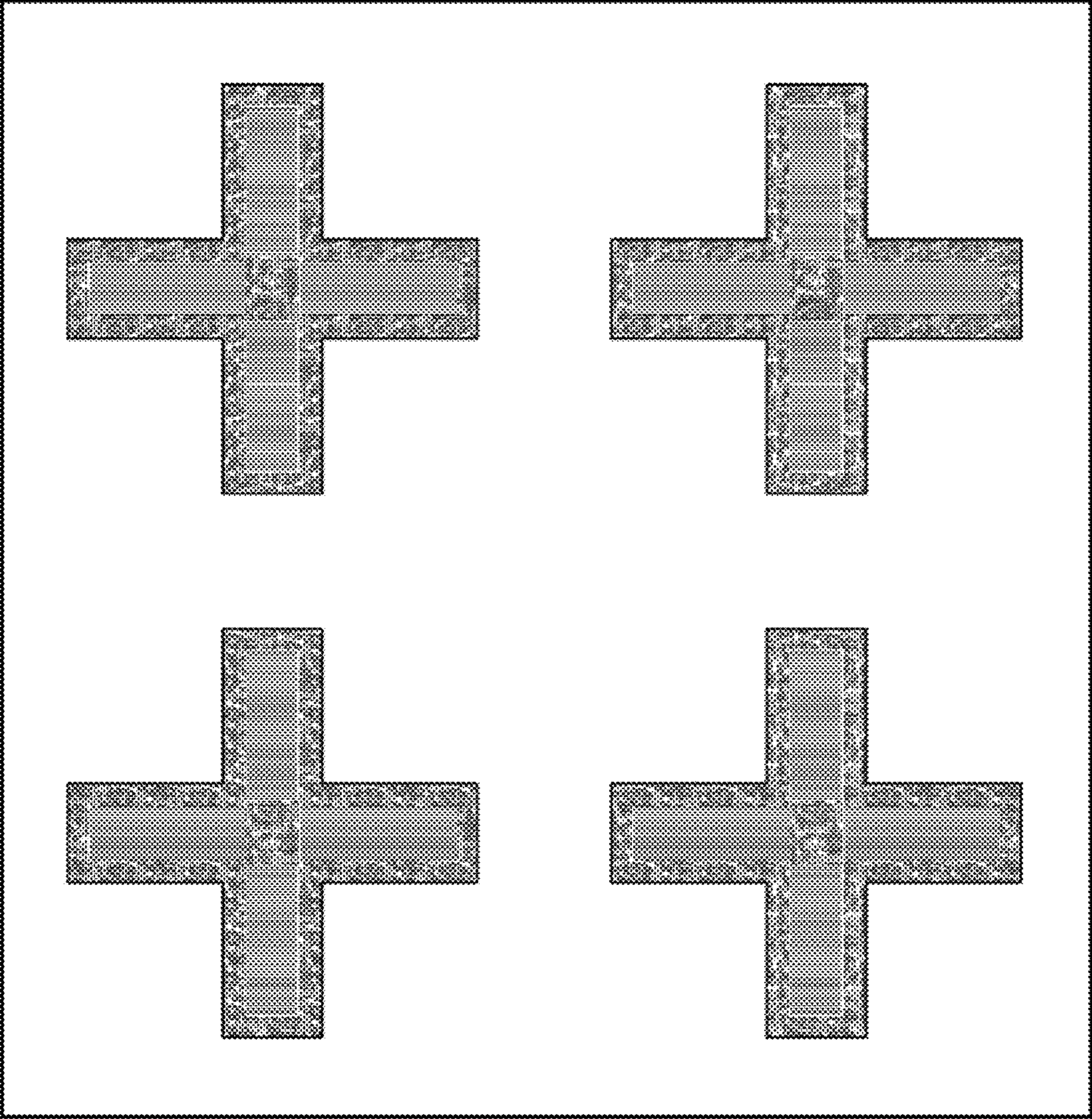


FIG. 2



FIG. 3



FIG. 4