



US00D629214S

(12) **United States Design Patent**  
**Steeman et al.**

(10) **Patent No.:** **US D629,214 S**

(45) **Date of Patent:** **\*\* \*Dec. 21, 2010**

(54) **FILM SHEET FOR USE IN ANTIBALLISTIC ARTICLES**

1,877,154 A \* 9/1932 Weaver ..... 273/241  
D88,490 S \* 11/1932 Singer ..... D5/46

(75) Inventors: **Reinard Steeman**, Elsloo (NL); **Marcel Jongedijk**, Sittard (NL)

(Continued)

**FOREIGN PATENT DOCUMENTS**

(73) Assignee: **DSM IP Assets B.V.**, Heerlen (NL)

EP 1 627 719 2/2006

(\*\*) Term: **14 Years**

(Continued)

**OTHER PUBLICATIONS**

(21) Appl. No.: **29/338,896**

(22) Filed: **Jun. 19, 2009**

<http://en.trade2cn.com/detail/product?productId=28761723>(From Google Search of Nylon Taslon Rip-Stop Wich Pu Coating Fabric); 128 Rip Stop Spruce, 41026-8.\*

**Related U.S. Application Data**

(Continued)

(63) Continuation of application No. 12/298,621, filed as application No. PCT/EP07/003684 on Apr. 26, 2007.

*Primary Examiner*—Robert M Spear

*Assistant Examiner*—Barbara B Lohr

(74) *Attorney, Agent, or Firm*—Nixon & Vanderhye P.C.

(51) **LOC (9) Cl.** ..... **05-06**

(52) **U.S. Cl.** ..... **D5/58; D5/46**

(58) **Field of Classification Search** ..... D5/1, D5/2, 3, 5, 7, 8, 11, 13, 14, 15, 16, 19, 20, D5/23, 24, 25, 26, 27, 28, 30, 32, 35, 36, D5/37, 39, 43, 45, 46, 47, 49, 50, 52, 53, D5/54–58, 59–61, 62–66, 99; D2/749, 994; D6/582, 583, 595, 596, 597, 598, 603, 604, D6/605, 606, 608, 613, 616, 617, 619, 622; 428/17, 18, 151, 154, 156, 171, 187, 198, 428/199, 540, 542.2, 542.6, 904.4, 919; D24/124, D24/125, 126; D25/142, 152; 5/413 A, 709 M; 162/109, 134, 140, 231; D32/57; 52/506.05; 362/148; D21/348, 335, 336; 273/241  
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a “film sheet for use in antiballistic articles,” as shown and described.

**DESCRIPTION**

FIGS. 1 and 2 are top and bottom plan views, respectively, of a film sheet for use in antiballistic articles which embodies our new and original design therefore, the side views thereof being unornamented; and,

FIGS. 3 and 4 are top and bottom perspective views, respectively, of the embodiment depicted in FIGS. 1 and 2.

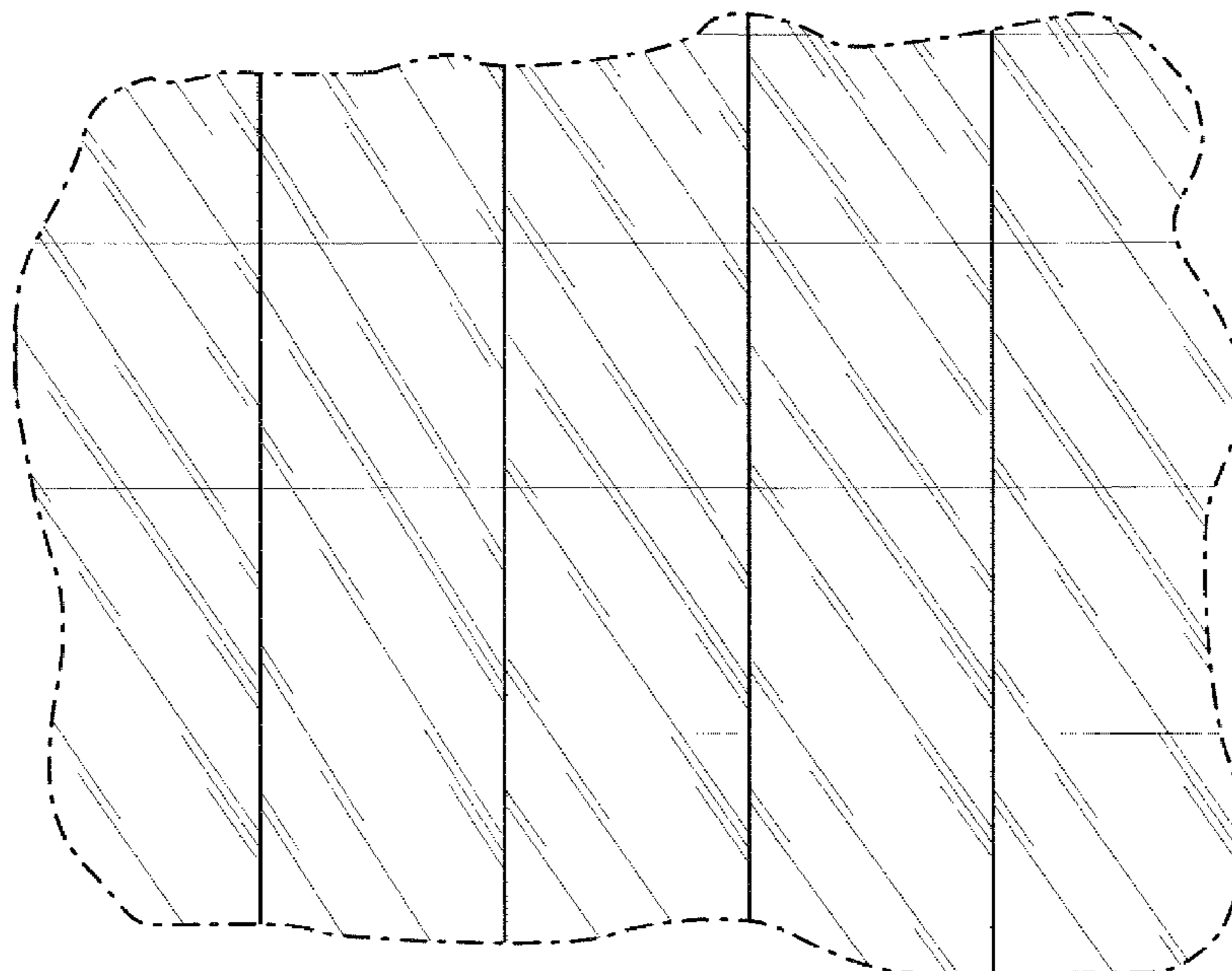
The broken lines in the drawing define the bounds of the claim and form no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D61,587 S \* 10/1922 Lord ..... D5/46

**1 Claim, 4 Drawing Sheets**



# US D629,214 S

Page 2

## U.S. PATENT DOCUMENTS

D90,914 S \* 10/1933 Juestrich ..... D5/46  
D128,956 S \* 8/1941 Cummings ..... D5/46  
D239,245 S \* 3/1976 Fletcher ..... D32/57  
4,931,126 A 6/1990 McCarville et al.  
D348,908 S \* 7/1994 Seiler ..... D21/336  
D452,779 S \* 1/2002 Jacobs ..... D5/58  
D478,218 S \* 8/2003 Liang ..... D5/58  
D518,648 S \* 4/2006 Broering et al. .... D5/58  
D549,967 S \* 9/2007 Wing ..... D5/61  
D552,689 S \* 10/2007 Hauls, Jr. .... D21/335  
D555,407 S \* 11/2007 Lan ..... D6/583  
7,546,715 B2 \* 6/2009 Roen ..... 52/506.05  
7,547,112 B2 \* 6/2009 Kim ..... 362/148  
D601,375 S \* 10/2009 Venugopal ..... D6/583

2004/0092183 A1 5/2004 Geva et al.  
2008/0127531 A1 6/2008 Stanek et al.

## FOREIGN PATENT DOCUMENTS

WO WO 00/48821 8/2000

## OTHER PUBLICATIONS

[http://images.google.com/imgres?imgurl=http://www.vivavi.com/catalog/images/ShortChairWeb2.jpg&imgrefurl=http://buyonlynatural.com/Furniture\(From Google Search of Woven Natural Fiber Furniture\); Buyonlynatural.com, Arbor Chair.\\*](http://images.google.com/imgres?imgurl=http://www.vivavi.com/catalog/images/ShortChairWeb2.jpg&imgrefurl=http://buyonlynatural.com/Furniture(From Google Search of Woven Natural Fiber Furniture); Buyonlynatural.com, Arbor Chair.*)  
[http://yawlamy.manufacturer.globalsources.com/si/6008800028162/LargeImage/210D-Diamond-Rip/product\\_id-1000743786.\\*](http://yawlamy.manufacturer.globalsources.com/si/6008800028162/LargeImage/210D-Diamond-Rip/product_id-1000743786.*)

\* cited by examiner

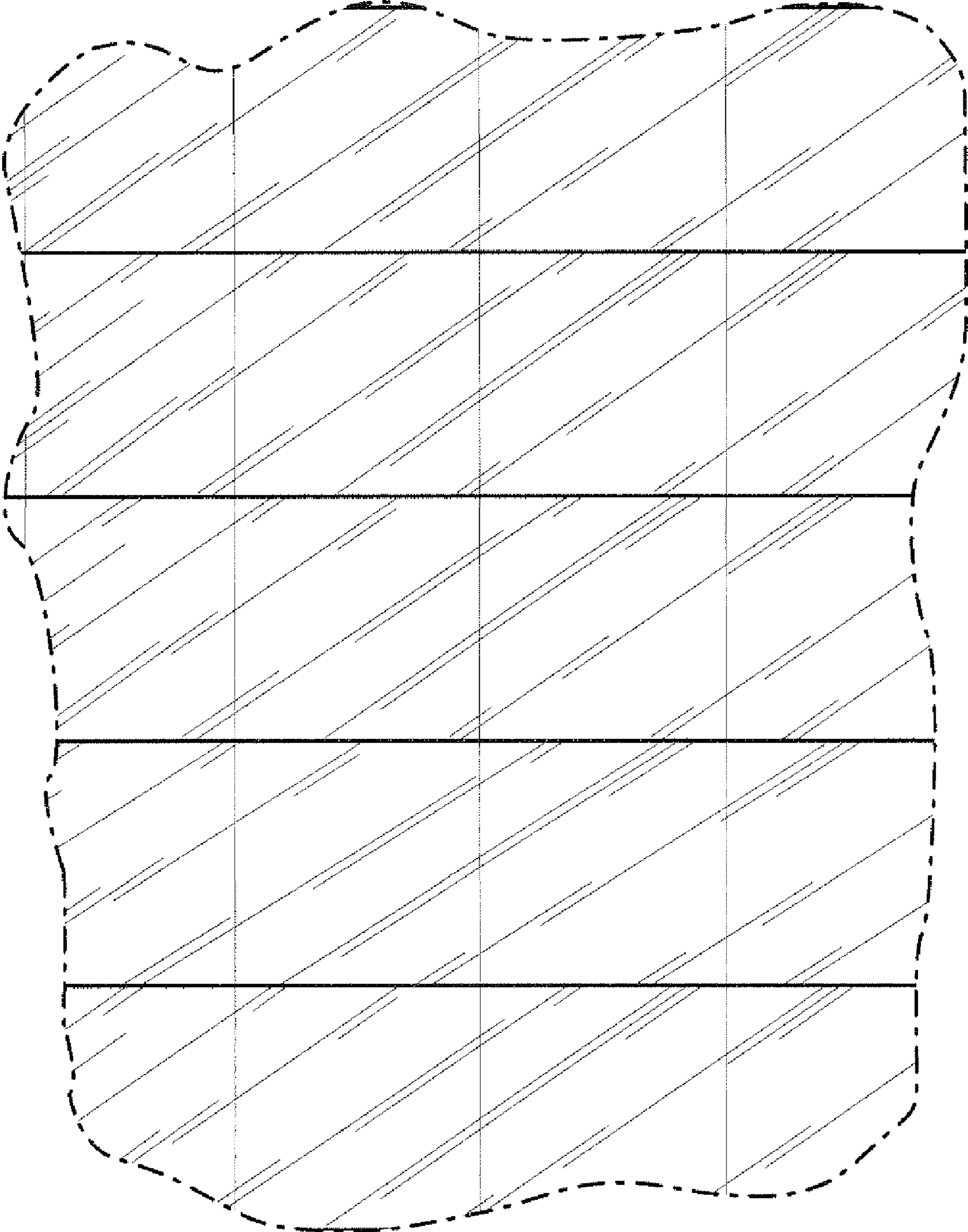


FIG. 1

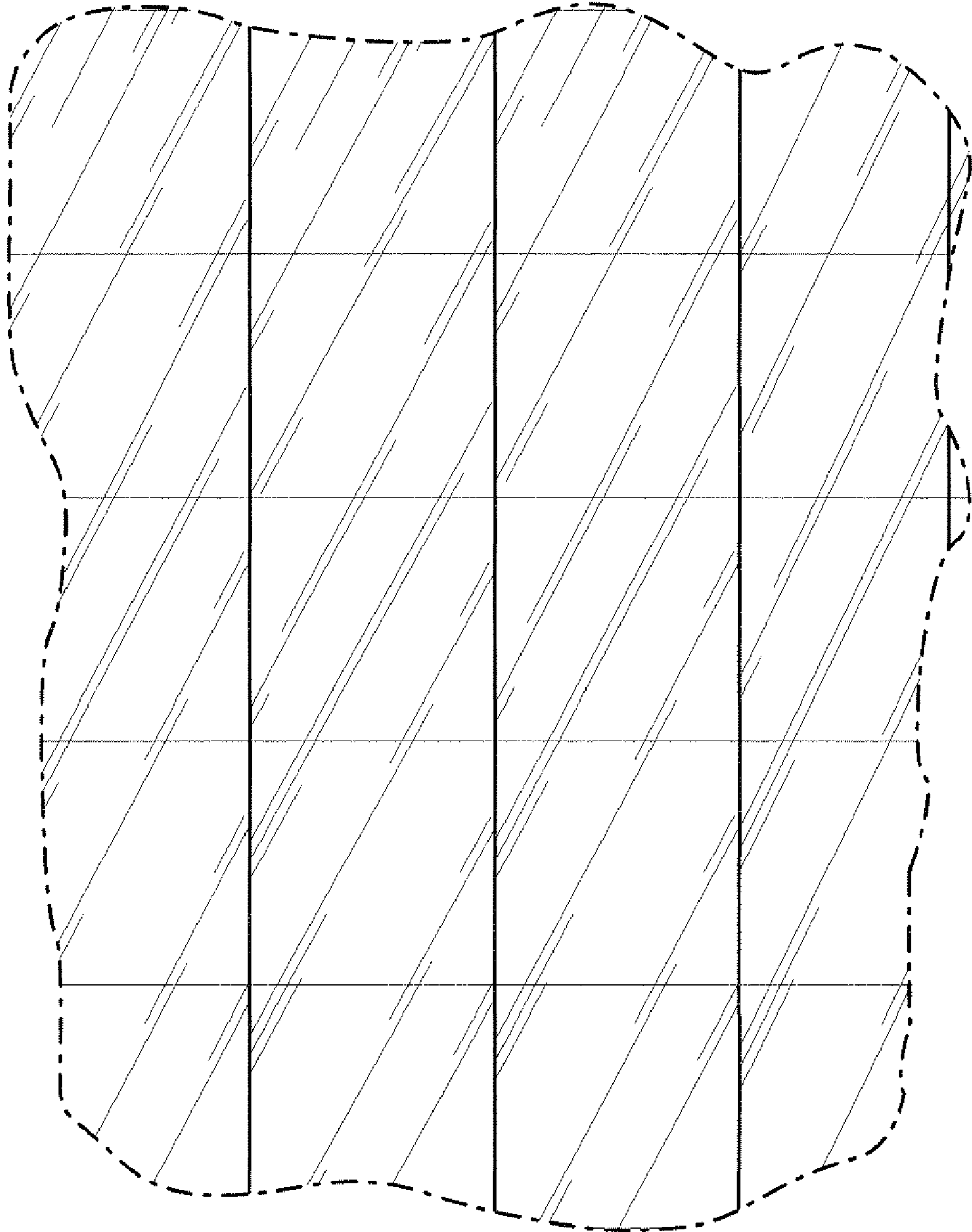


FIG. 2

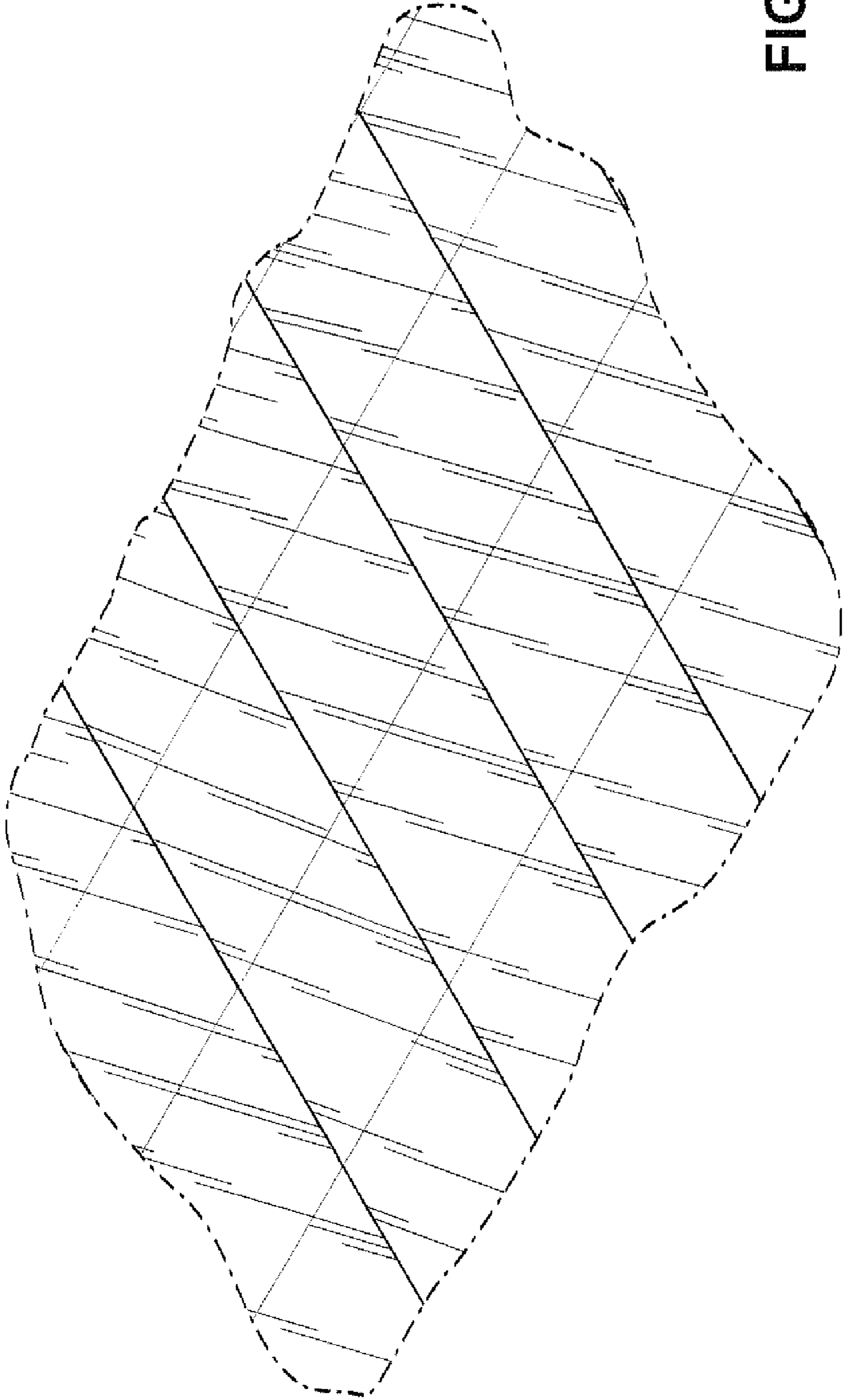


FIG. 3

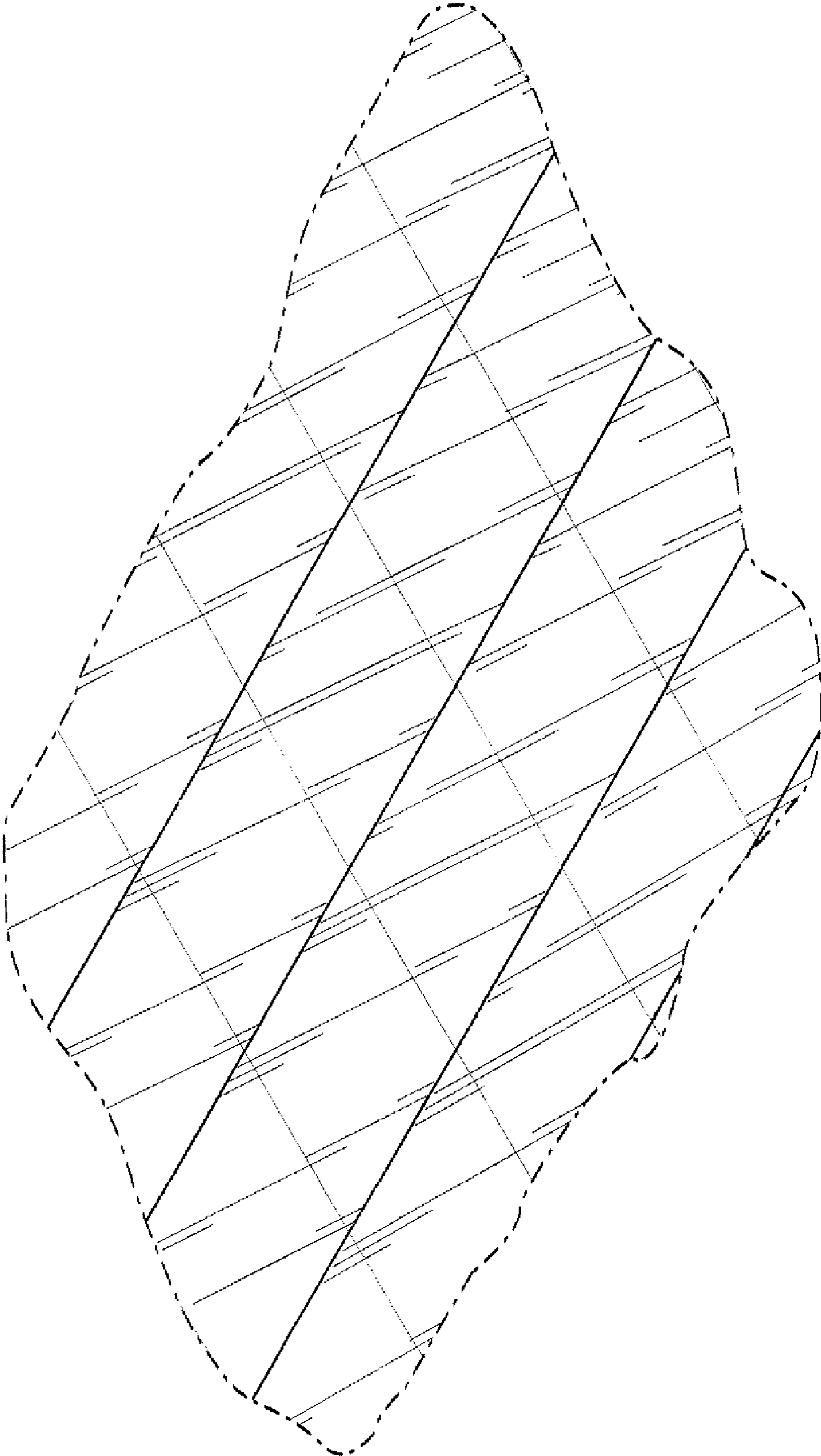


FIG. 4