



US00D851229S

(12) **United States Design Patent**
Mori

(10) **Patent No.:** **US D851,229 S**
(45) **Date of Patent:** **** Jun. 11, 2019**

(54) **FILTER SEGMENT FOR REMOVING PARTICLE MATTER**

(71) Applicant: **NGK INSULATORS, LTD.**,
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(73) Assignee: **NGK Insulators, Ltd.**, Nagoya (JP)

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

(21) Appl. No.: **29/544,663**

(22) Filed: **Nov. 5, 2015**

(30) **Foreign Application Priority Data**

May 13, 2015 (JP) 2015-010386
May 13, 2015 (JP) 2015-010387
May 19, 2015 (JP) 2015-010854

(51) **LOC (11) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/365**

(58) **Field of Classification Search**
USPC D23/365, 363; D15/5
(Continued)

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(57) **CLAIM**

The ornamental design for a filter segment for removing particle matter, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a filter segment for removing particle matter illustrating our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a top view thereof, the bottom view thereof being a mirror image;

FIG. 4 is a right view thereof, the left view thereof being a mirror image;

FIG. 5 is a rear view thereof;

FIG. 6 is a middle omitted cross-sectional view taken through line 6-6 of FIG. 2;

FIG. 7 is a perspective view of a second embodiment of a filter segment for removing particle matter illustrating our new design;

FIG. 8 is a front view thereof;

FIG. 9 is a top view thereof, the bottom view thereof being a mirror image;

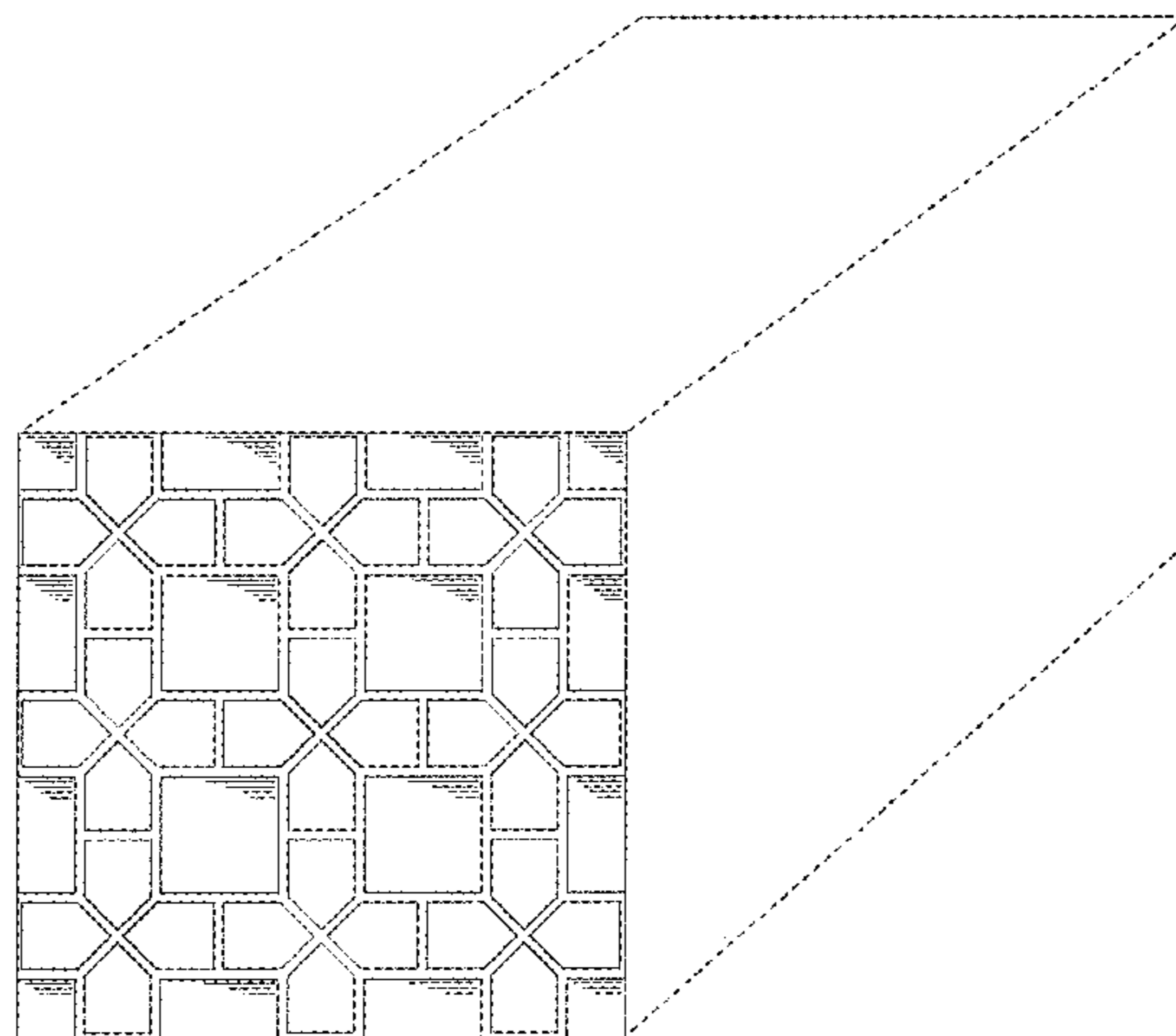
FIG. 10 is a right view thereof, the left view thereof being a mirror image;

FIG. 11 is a rear view thereof; and,

FIG. 12 is a middle omitted cross-sectional view taken through line 12-12 of FIG. 8.

The broken lines in the drawings depict unclaimed subject matter only and form no part of the claimed design.

1 Claim, 18 Drawing Sheets



(58) **Field of Classification Search**
 CPC F01N 3/035; F01N 3/022; F01N 2330/34;
 F01N 2330/48; B01D 46/00; B01D
 46/0004; B01D 27/04; B01D 27/06;
 B01D 39/00

See application file for complete search history.

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Fig.1

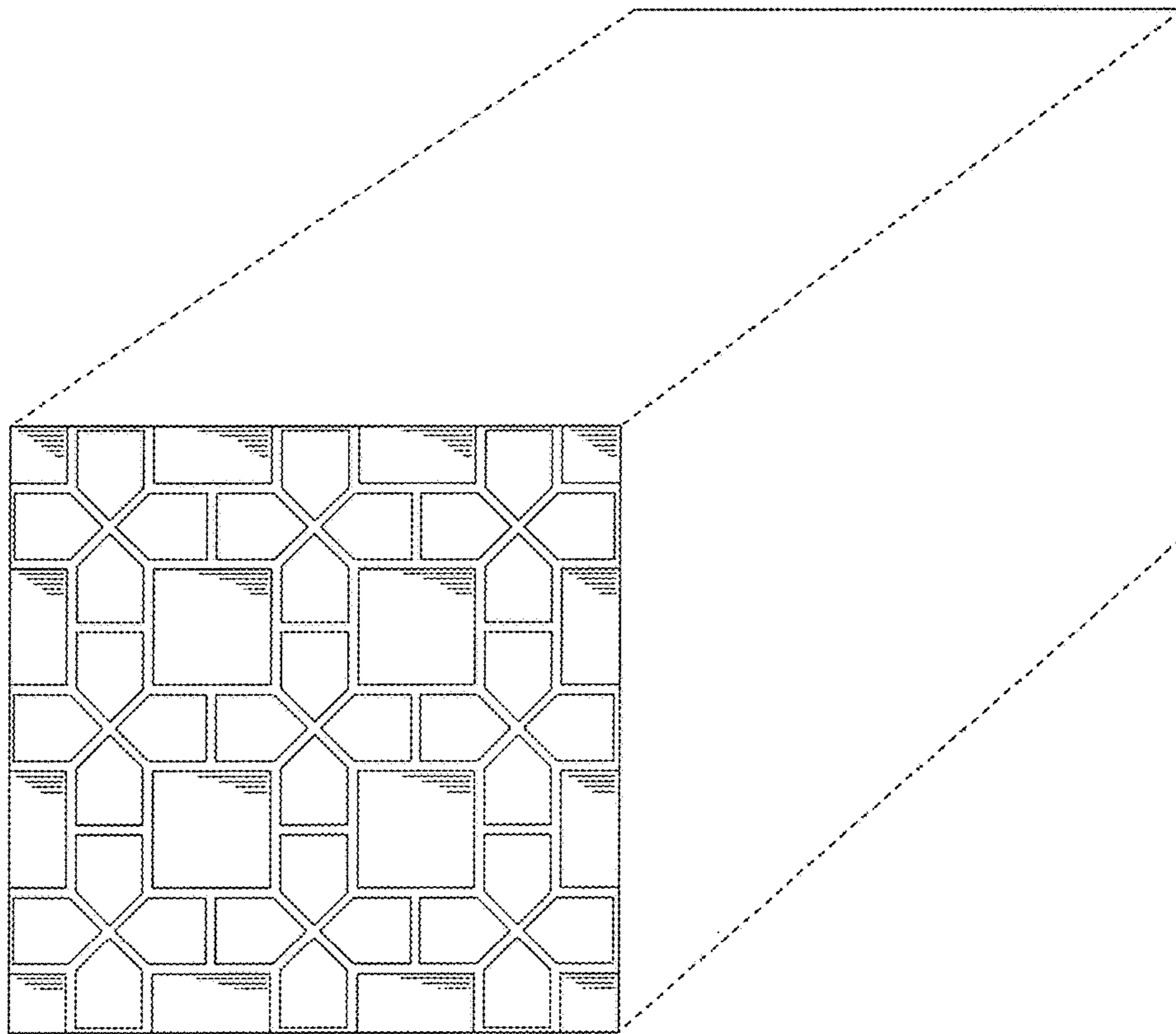


Fig.2

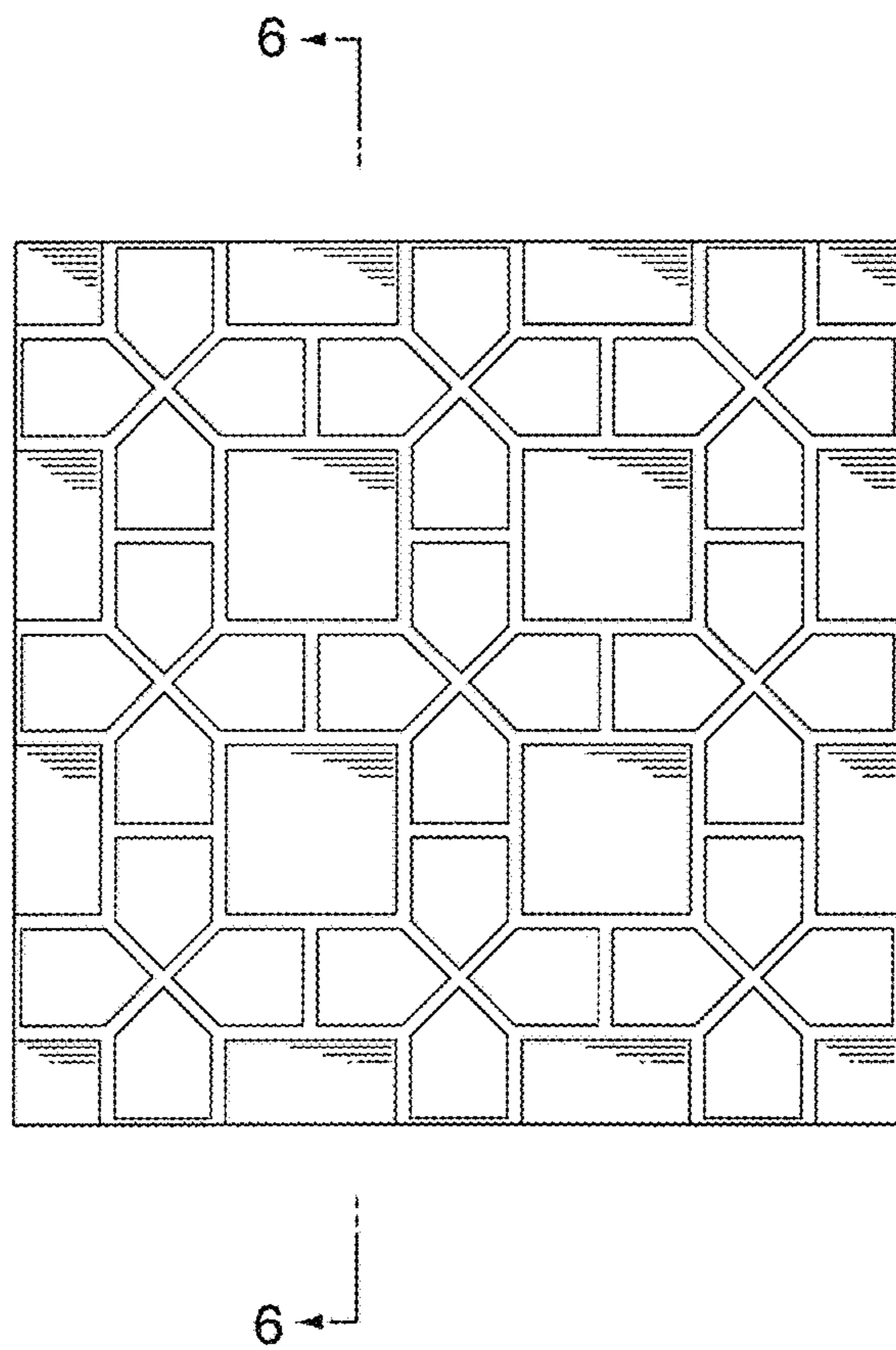


Fig.3

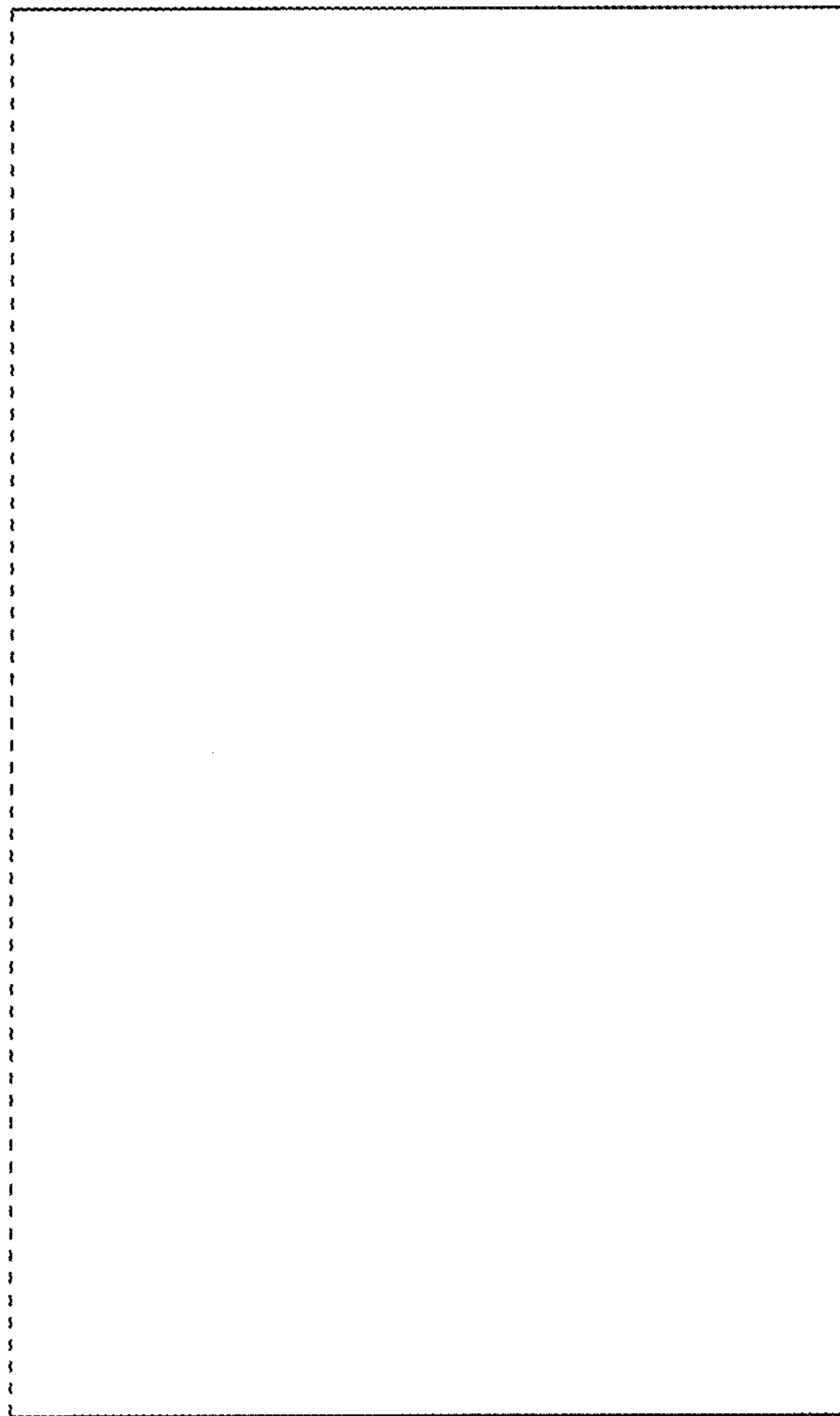


Fig.4



Fig.5

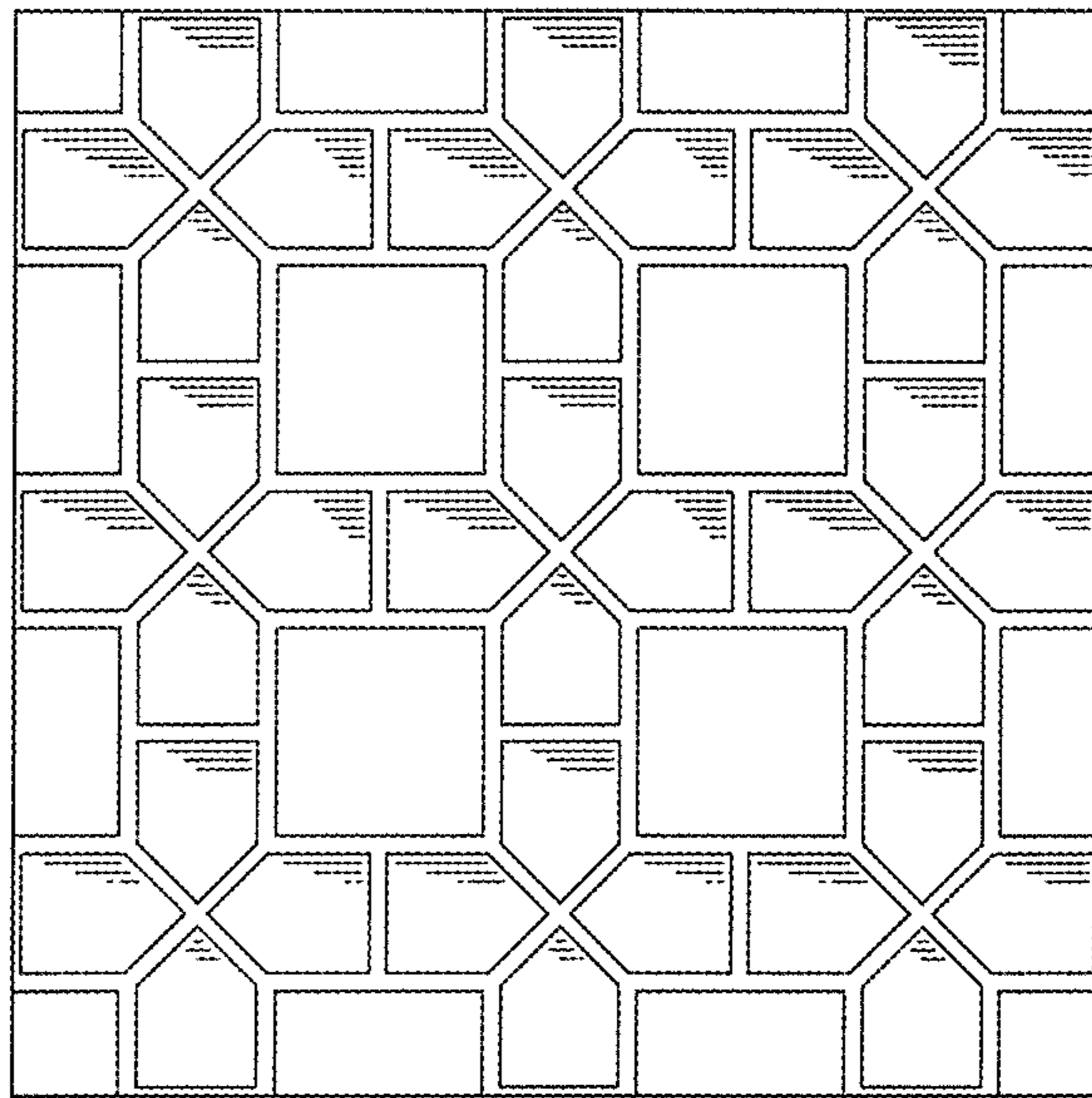


Fig.6

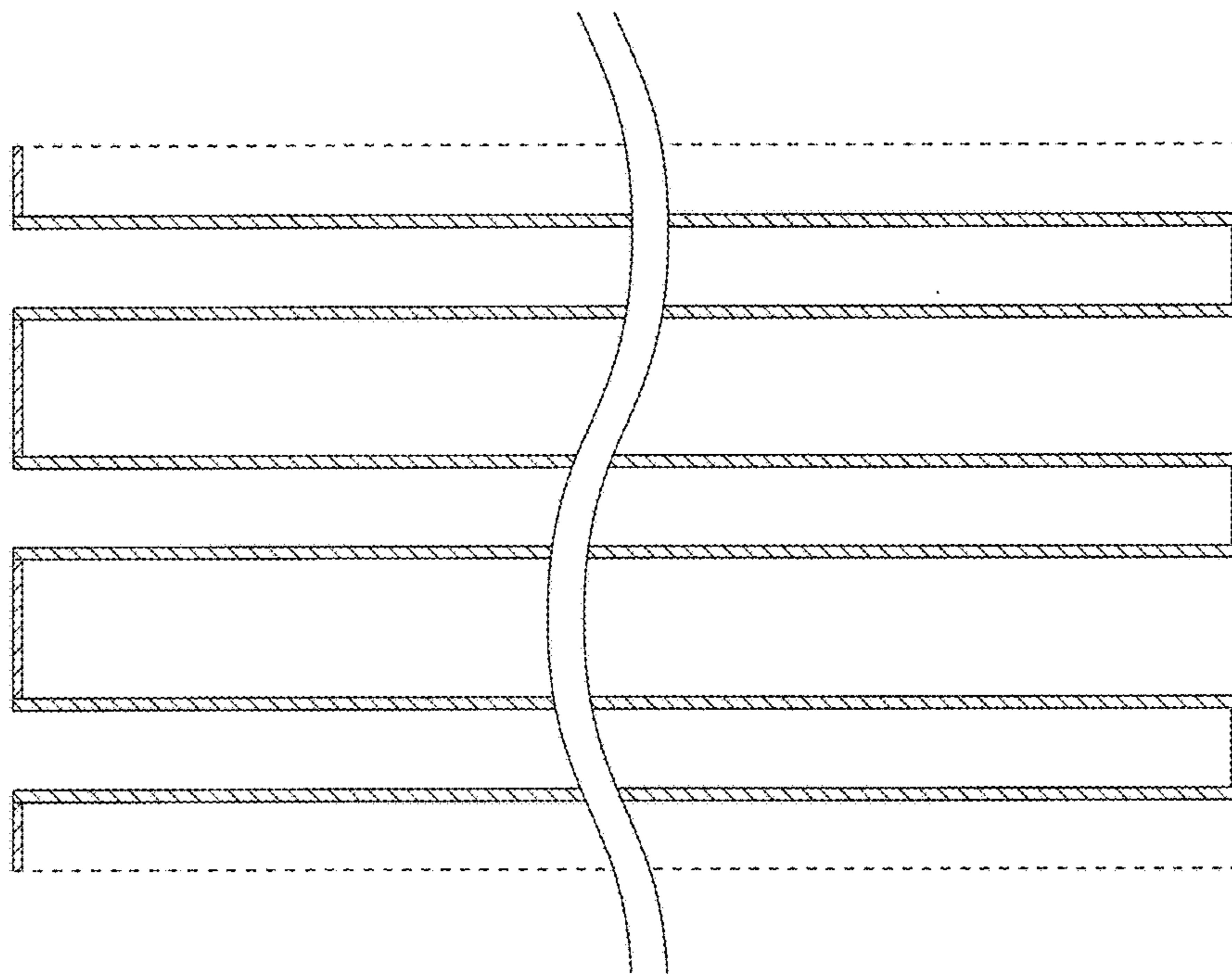


Fig.7

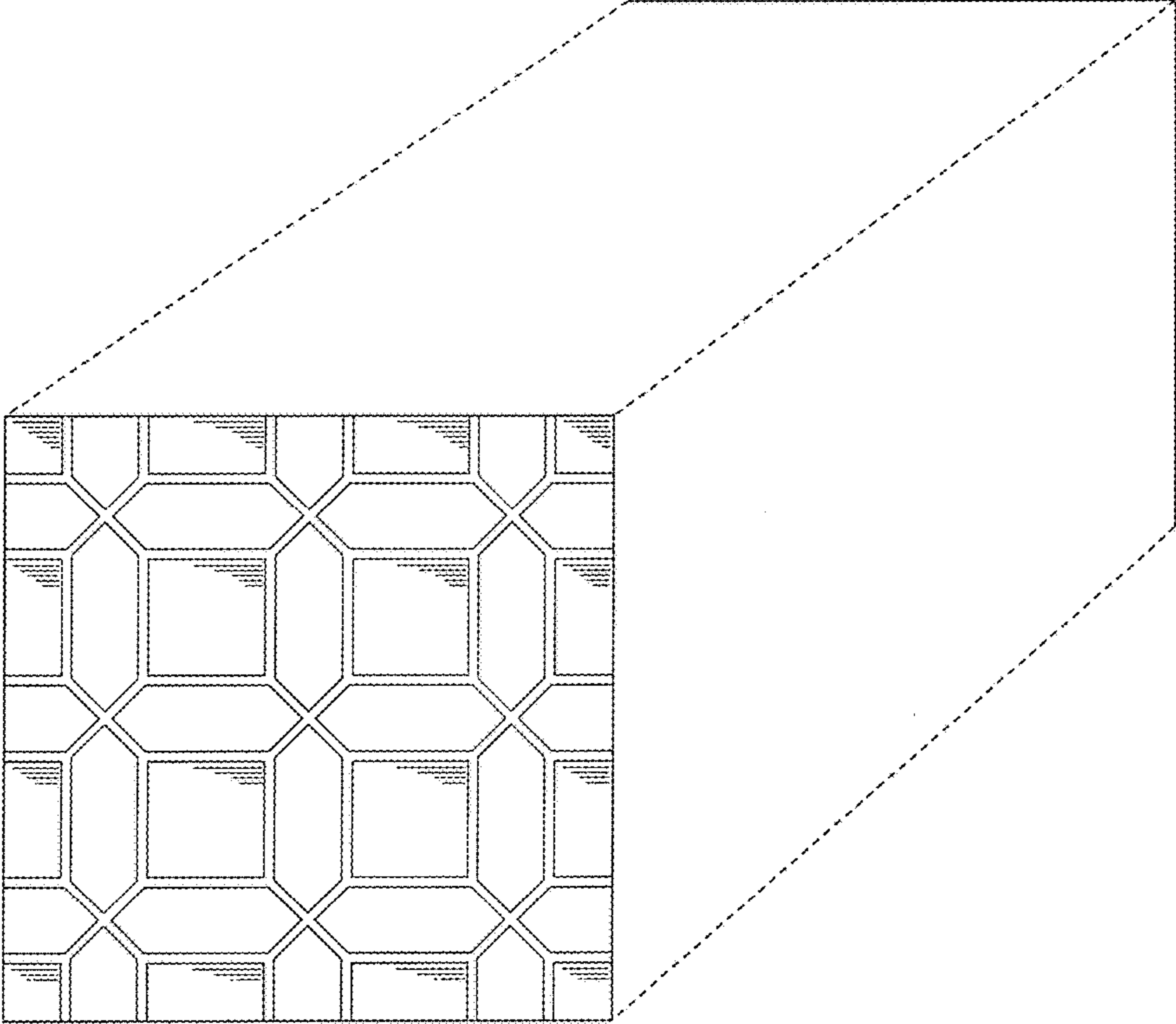


Fig.8

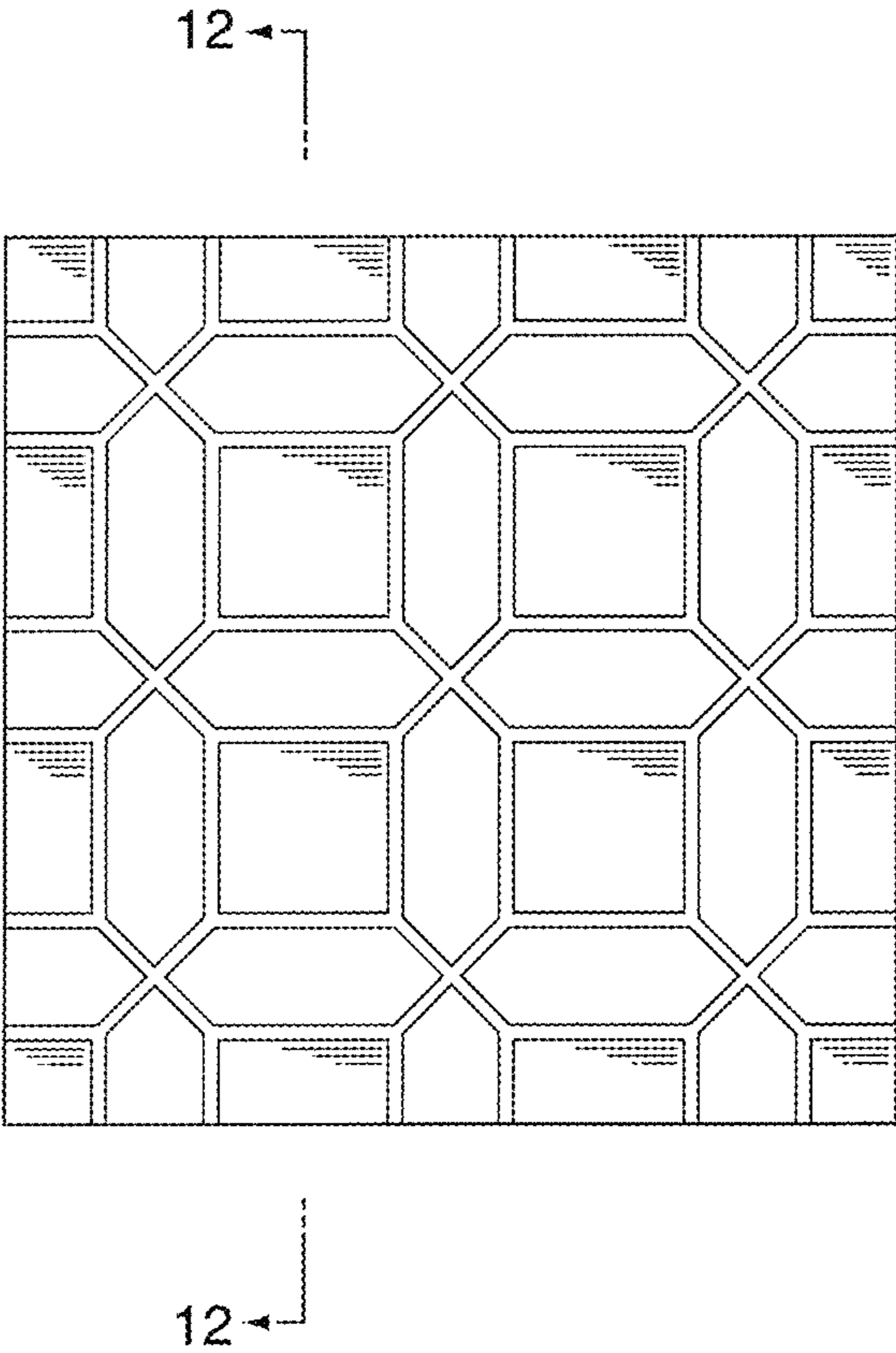


Fig.9

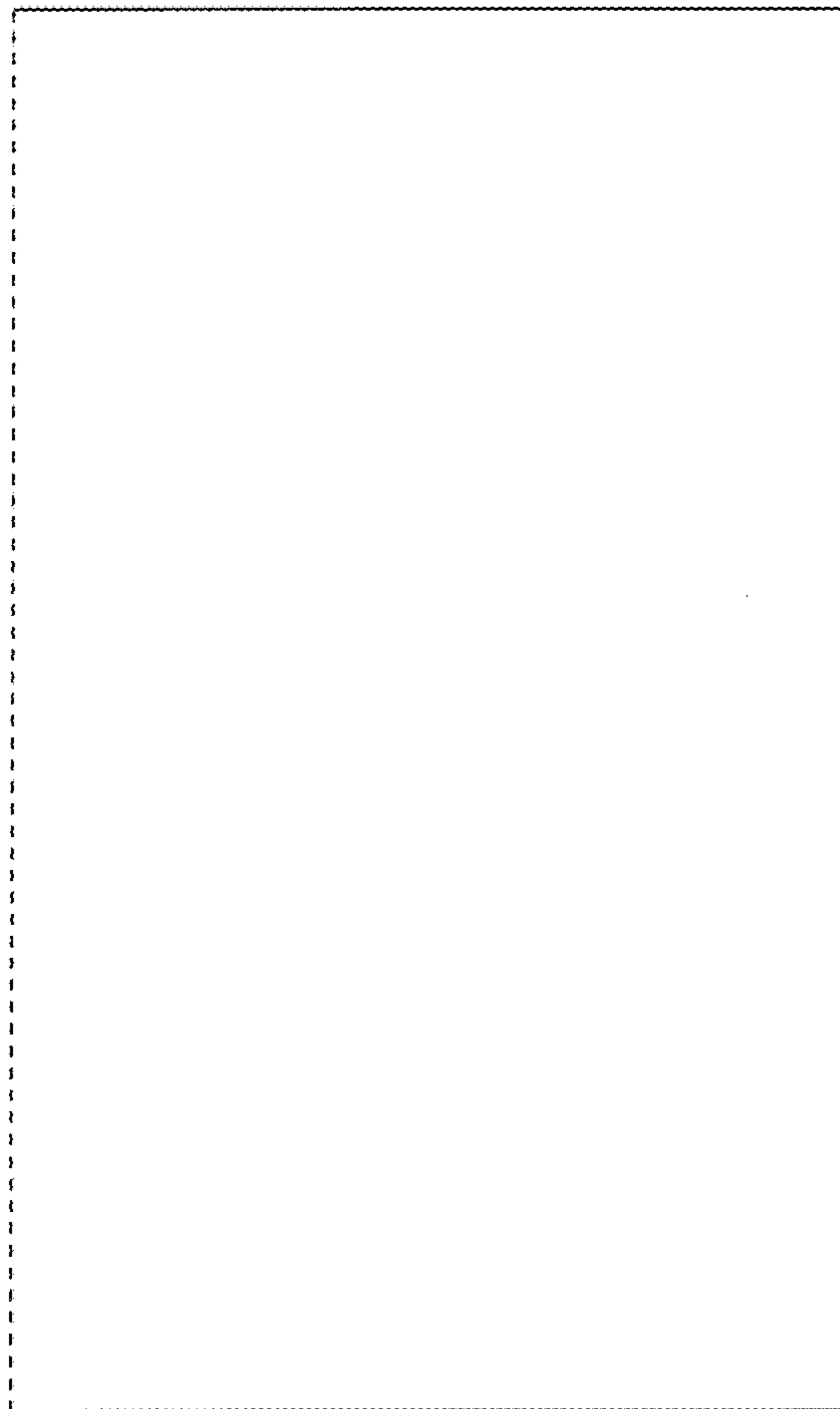


Fig.10

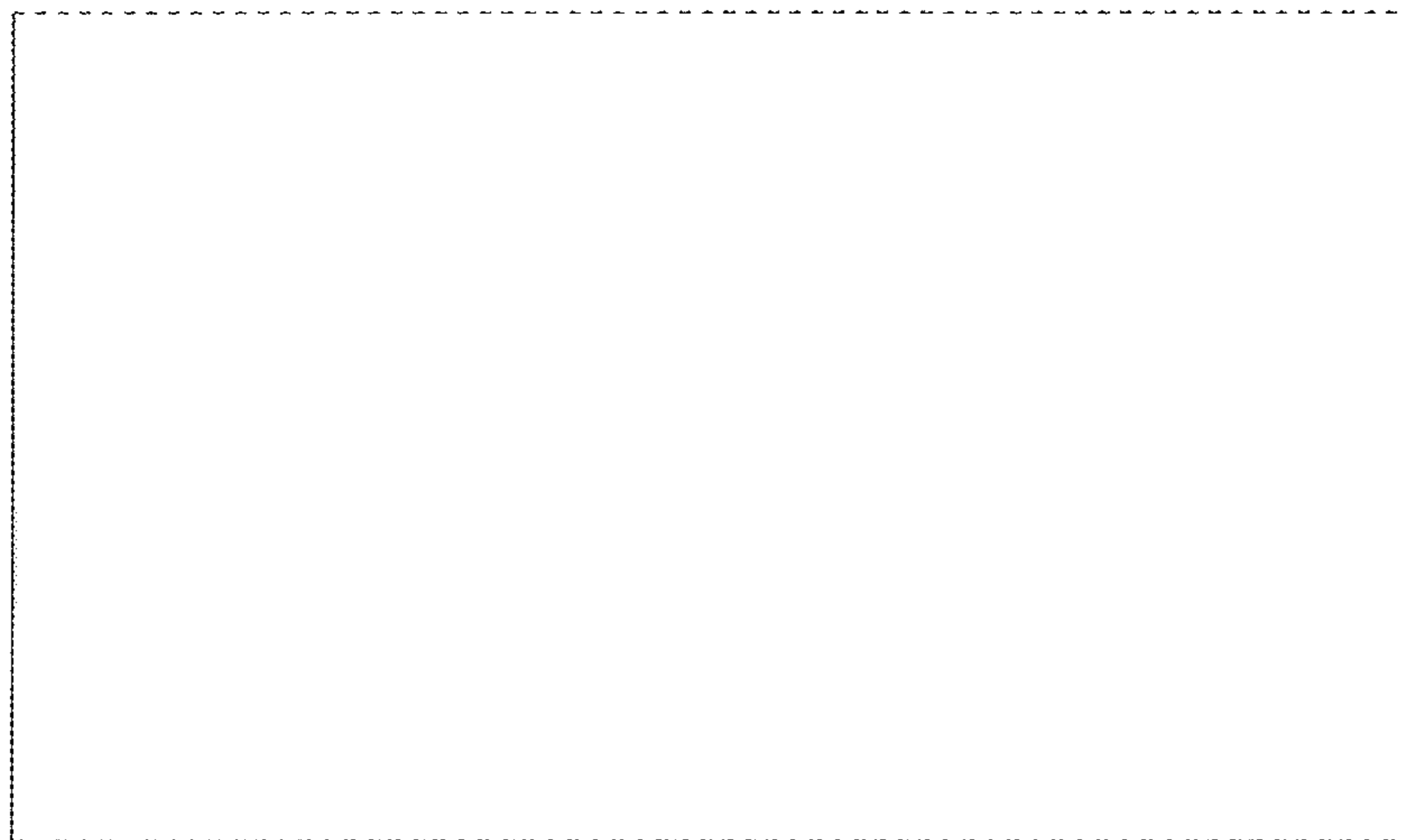


Fig. 11

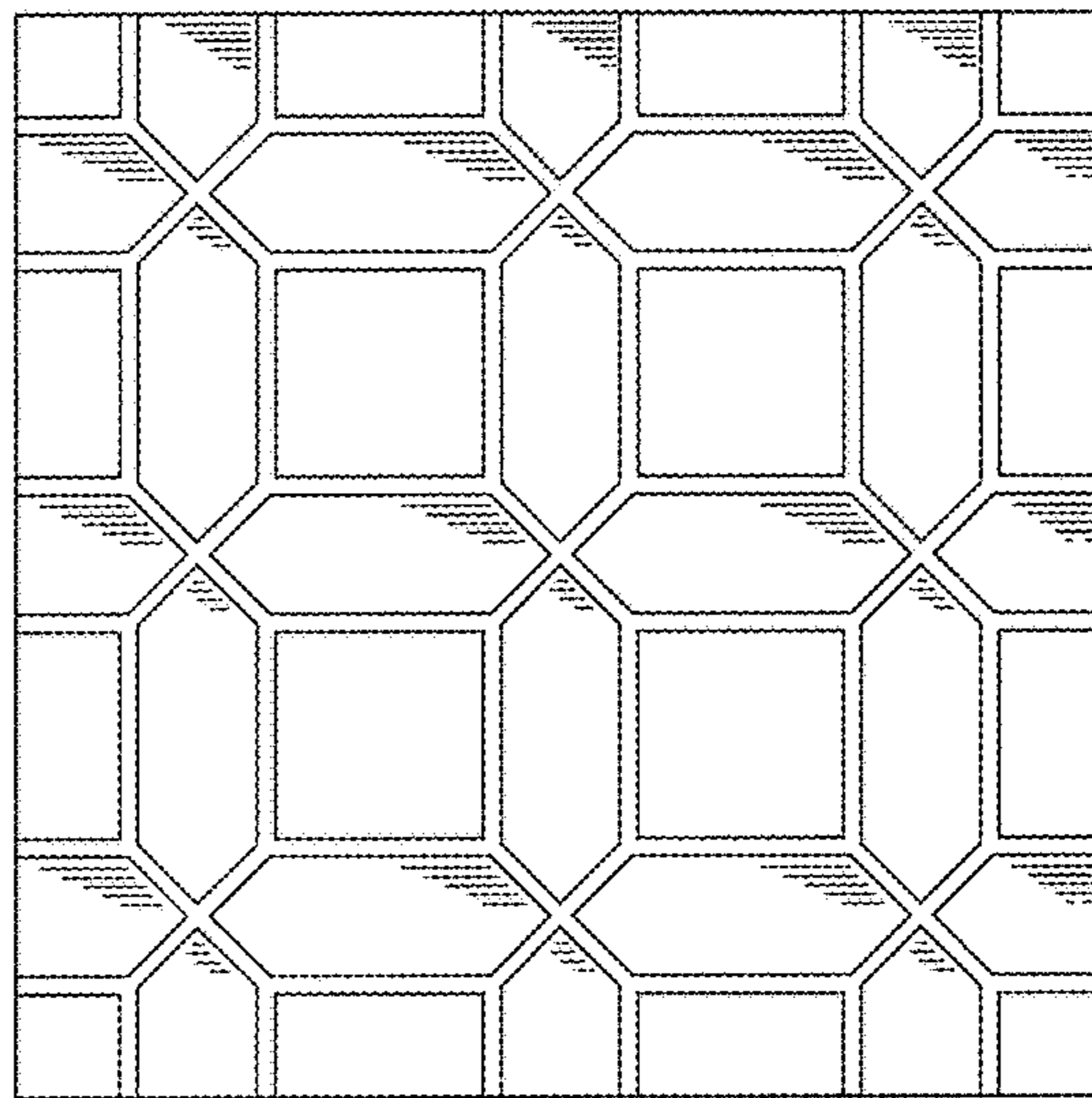


Fig.12

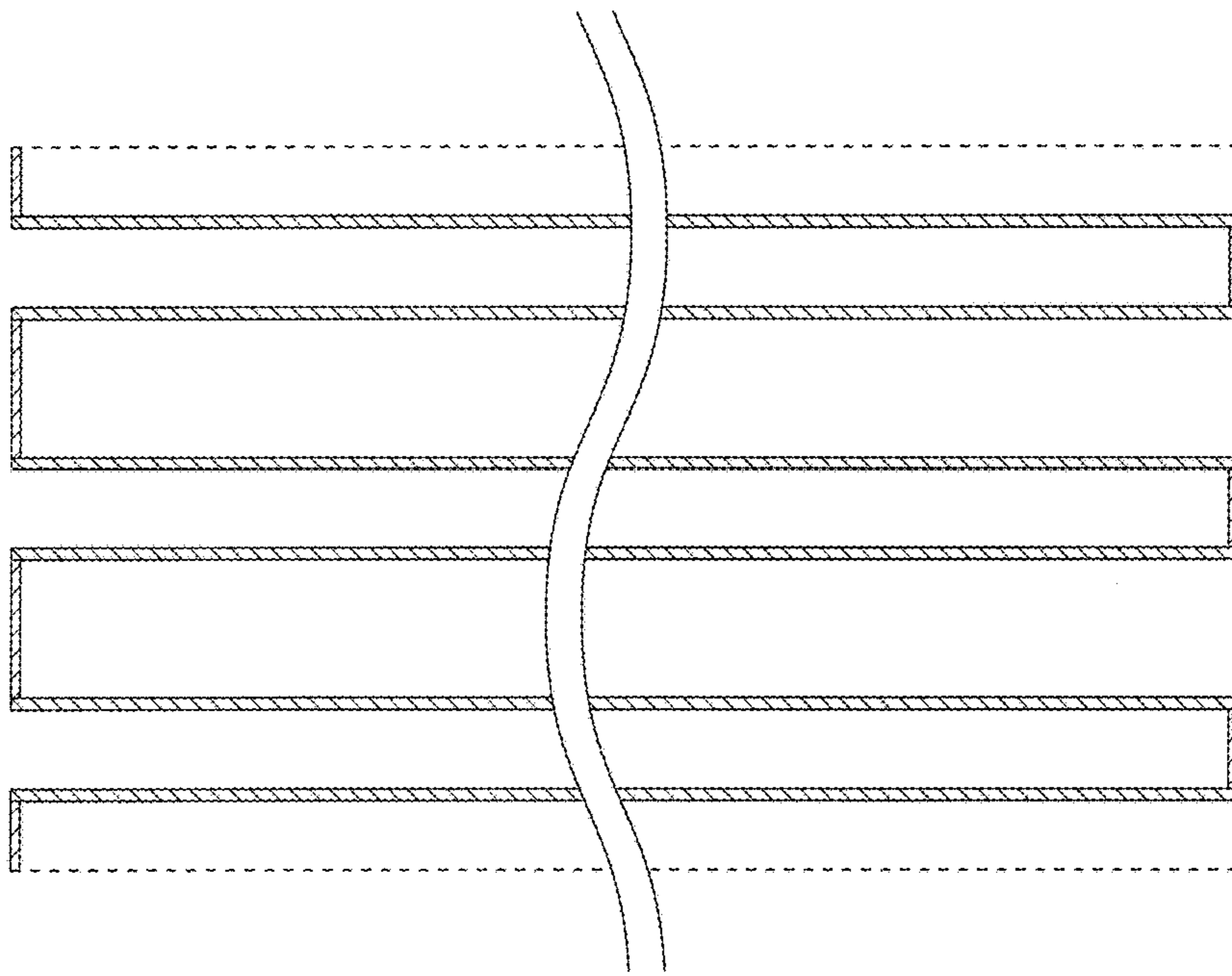


Fig.13

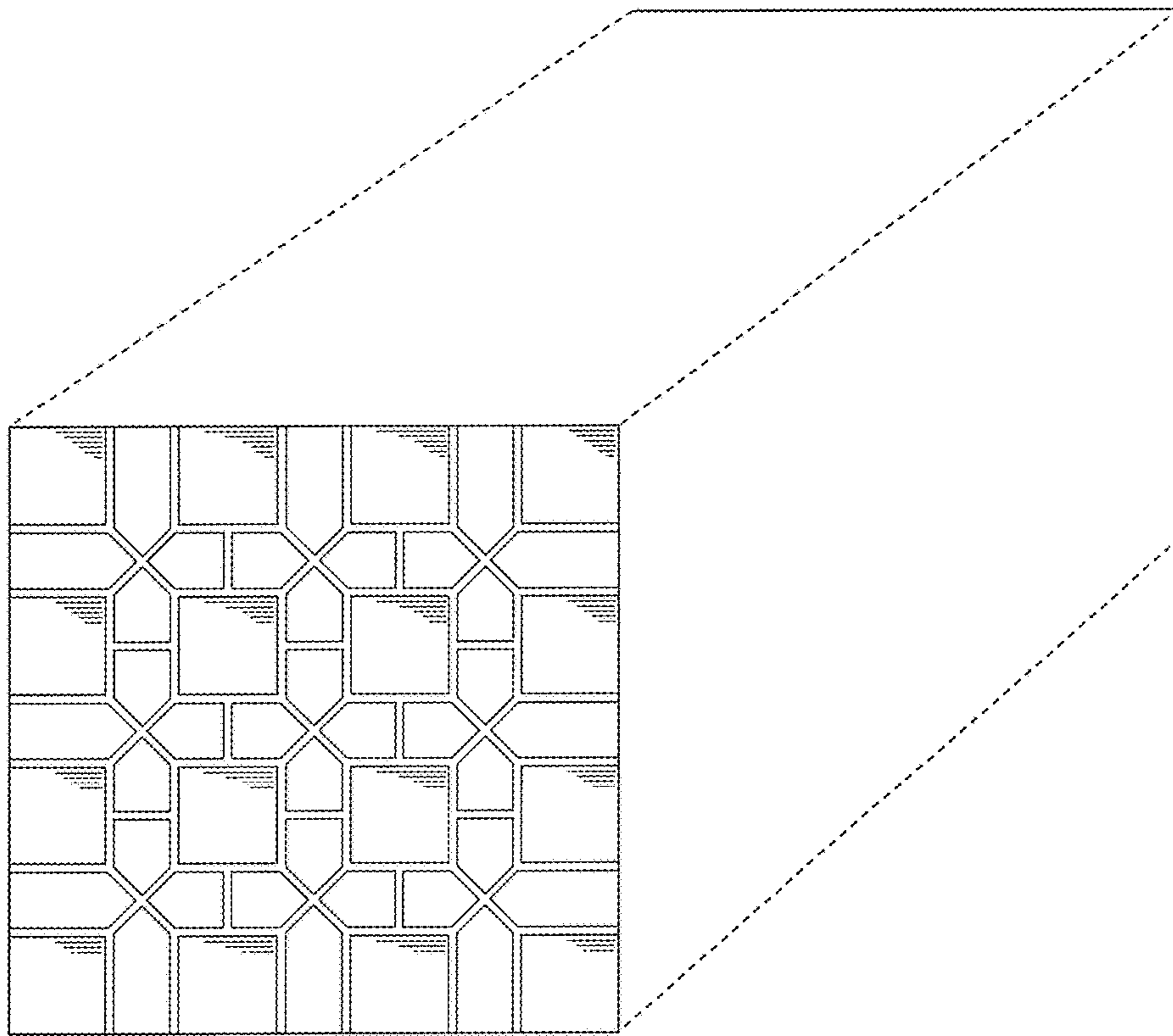


Fig.14

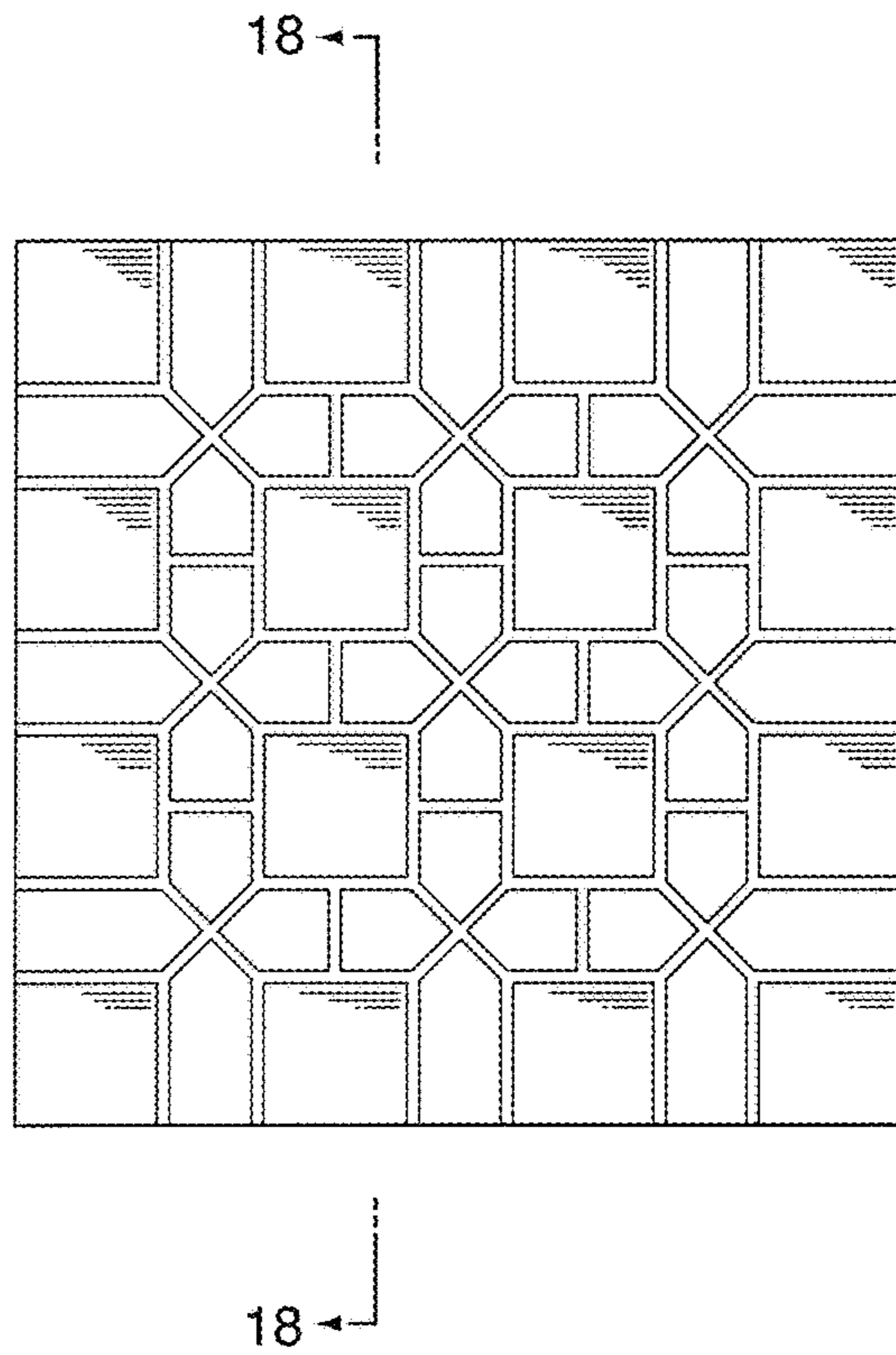


Fig.15

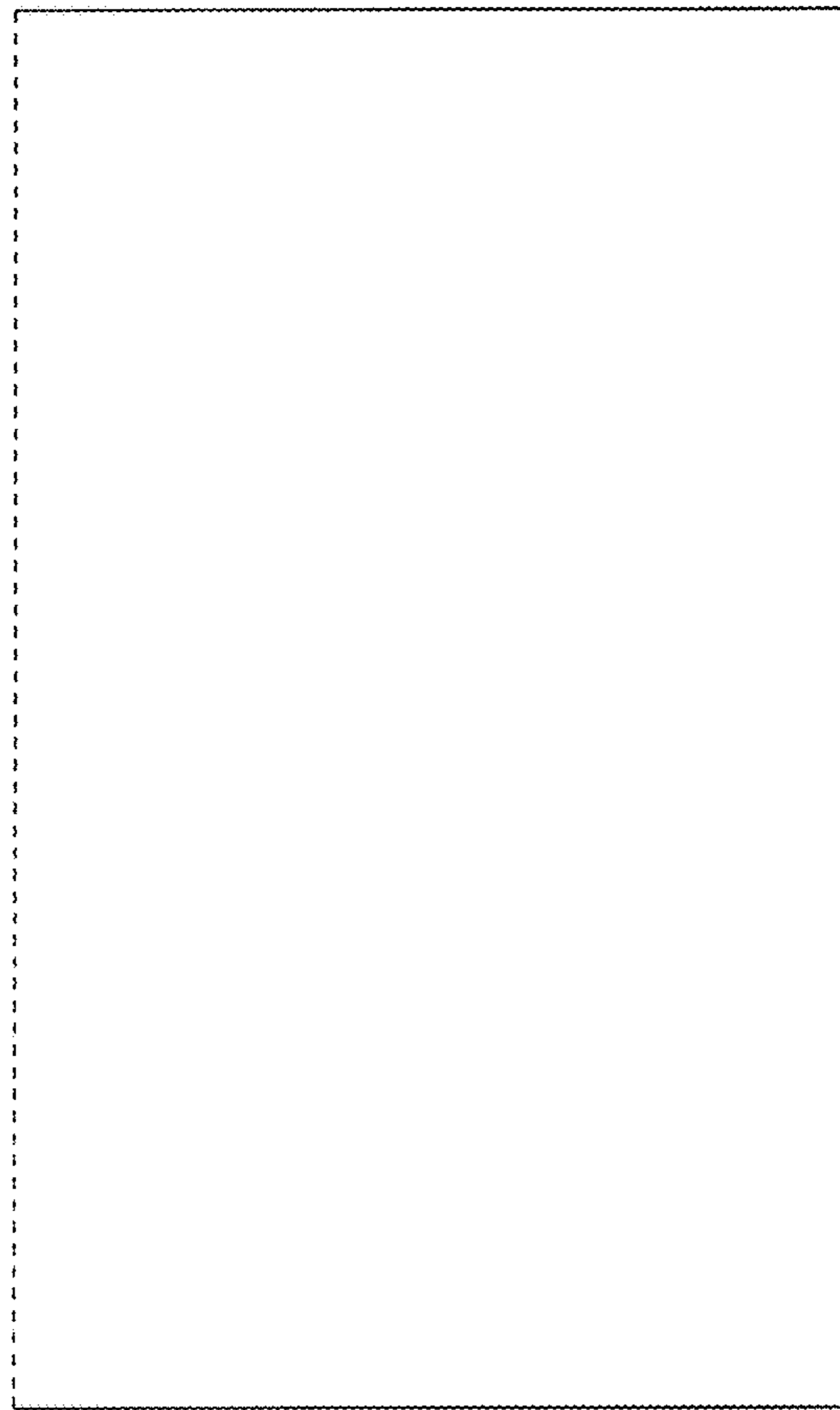


Fig.16



Fig.17

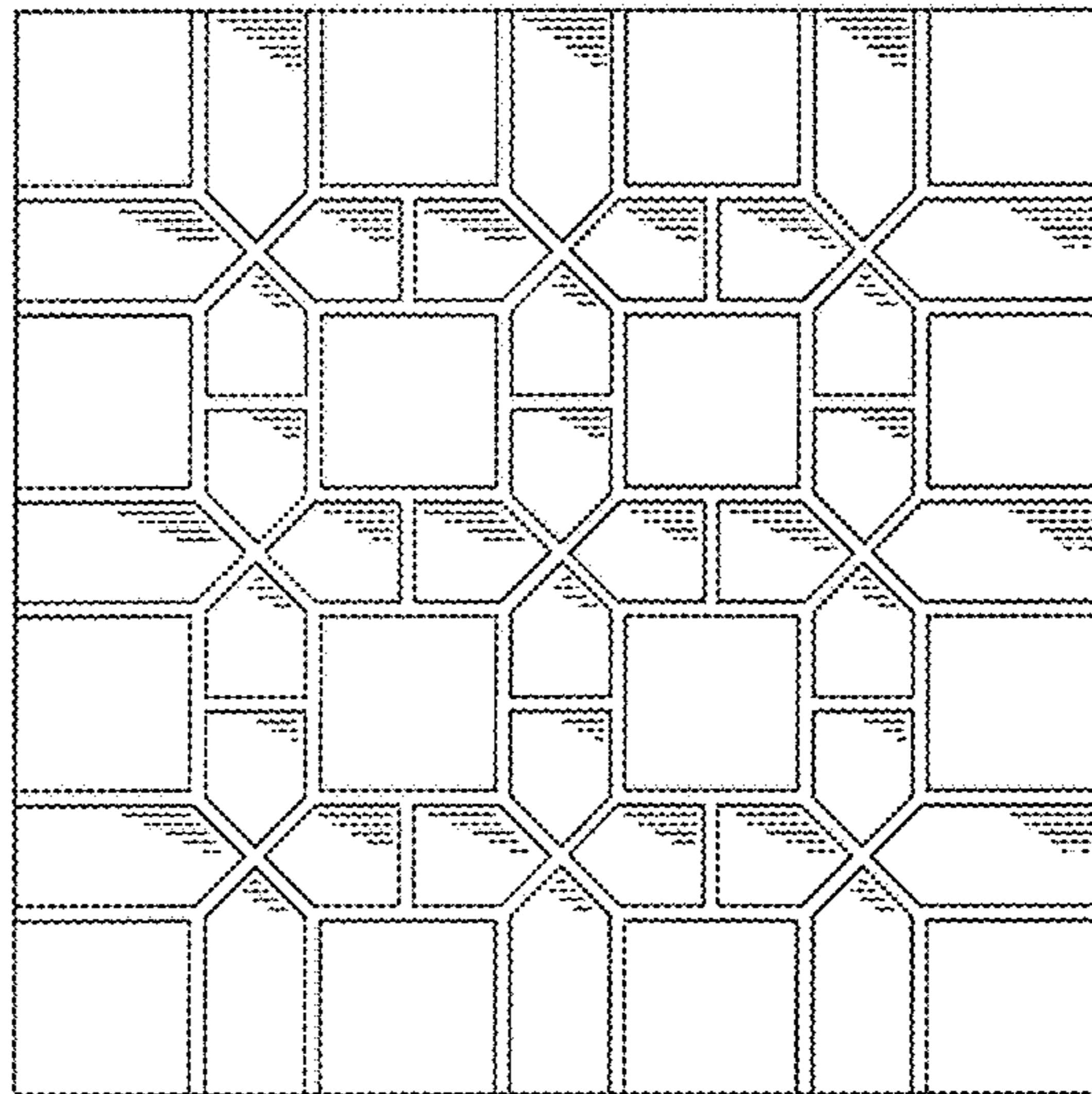
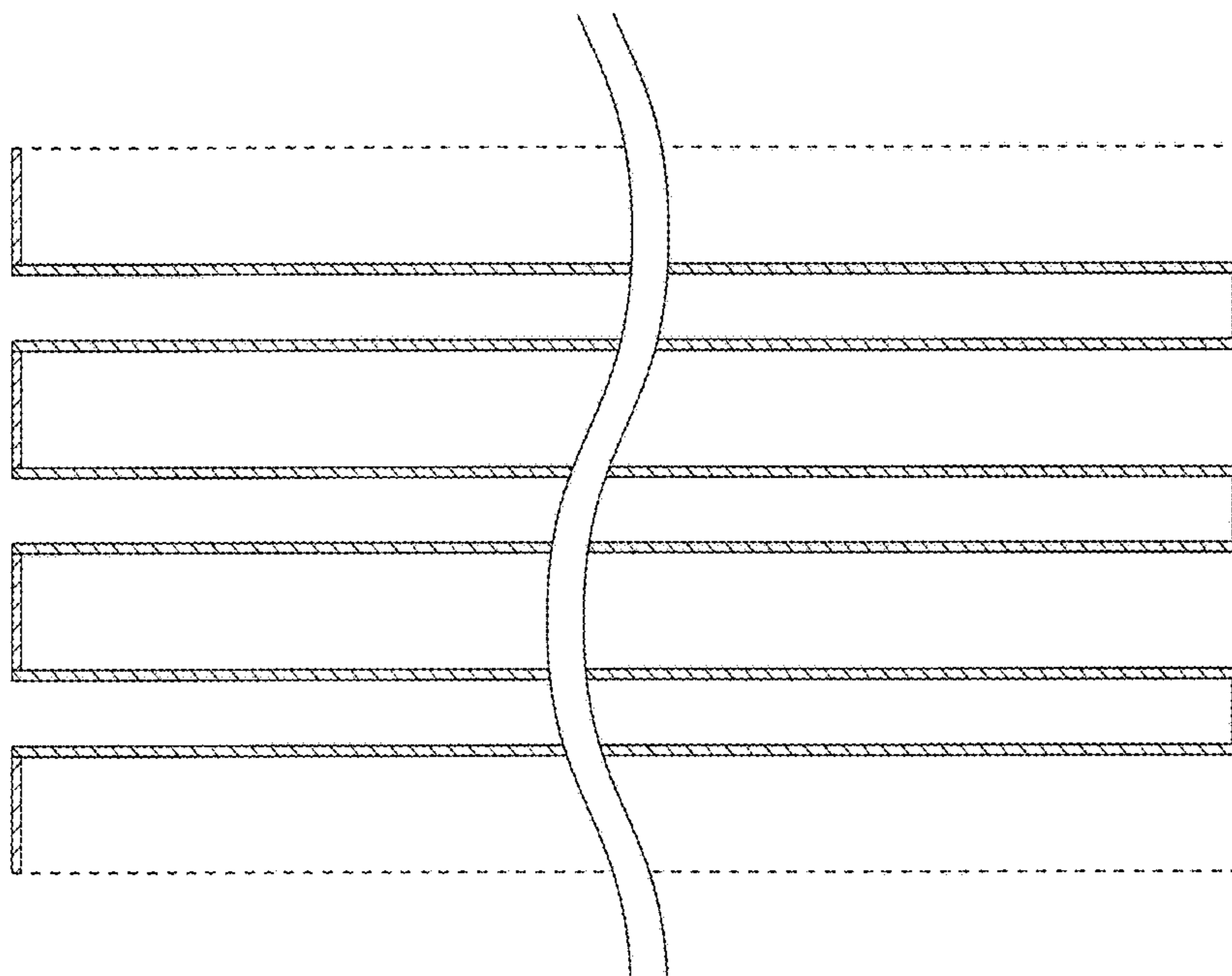


Fig. 18



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D851,229 S
APPLICATION NO. : 29/544663
DATED : June 11, 2019
INVENTOR(S) : Kazuya Mori

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Description

Please change "1 Claim, 18 Drawing Sheets" to -- 1 Claim, 12 Drawing Sheets --

In the Drawings

Please delete "Sheet 13 of 18"

Please delete "Sheet 14 of 18"

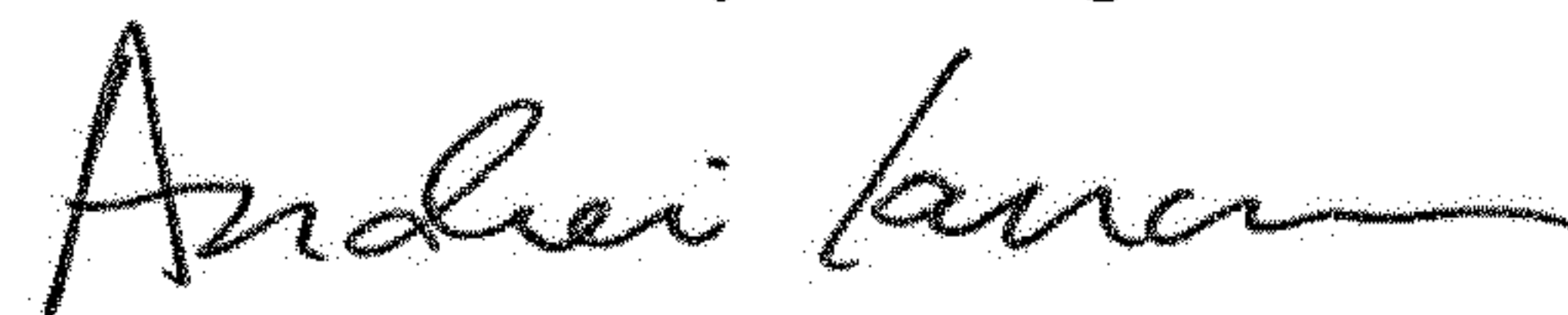
Please delete "Sheet 15 of 18"

Please delete "Sheet 16 of 18"

Please delete "Sheet 17 of 18"

Please delete "Sheet 18 of 18"

Signed and Sealed this
Twentieth Day of August, 2019



Andrei Iancu
Director of the United States Patent and Trademark Office