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

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(45) **Date of Patent:** **\*\* Mar. 20, 2007**

(54) **PARTICULATE FILTER FOR DIESEL ENGINE**

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(73) Assignee: **Ibiden Co., Ltd.**, Gifu (JP)

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

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**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

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Jun. 28, 2002	(JP)	.....	2002-017497
Jun. 28, 2002	(JP)	.....	2002-017498
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Jun. 28, 2002	(JP)	.....	2002-017500
Sep. 25, 2002	(JP)	.....	2002-026179
Dec. 6, 2002	(JP)	.....	2002-033889

(51) **LOC (8) Cl.** ..... **23-04**

(52) **U.S. Cl.** ..... **D23/365; D15/5**

(58) **Field of Classification Search** ..... **D23/365, D23/364; D15/5; 55/385.3, 523**  
See application file for complete search history.

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(57) **CLAIM**

The ornamental design for particulate filter for diesel engine, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a particulate filter for diesel engine according to the present invention, the rear view being a mirror image of the front view;

FIG. 2 is a top plan view showing the particulate filter of FIG. 1, the bottom plan view being a mirror image of the top plan view;

FIG. 3 is a right side view showing the particulate filter of FIG. 1, the left side view being a mirror image of the right side view;

FIG. 4 is an enlarged view of FIG. 3;

FIG. 5 is a cross-sectional view taken along line 5—5 of FIG. 1;

FIG. 6 is an enlarged cross-sectional view taken along line 6—6 of FIG. 1;

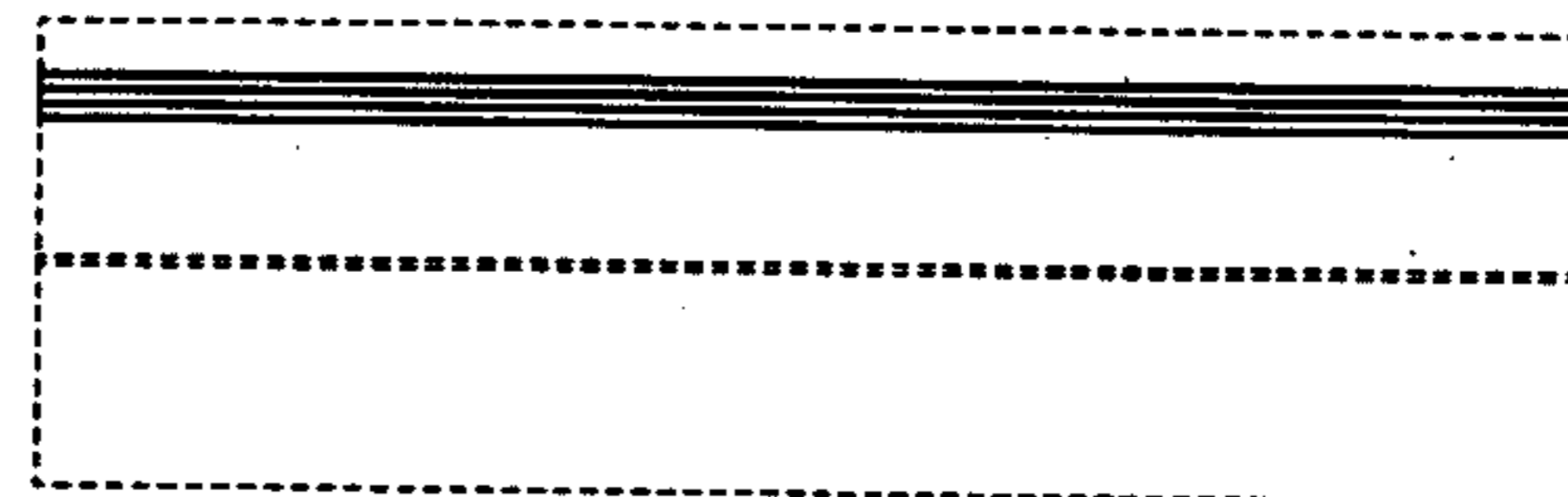
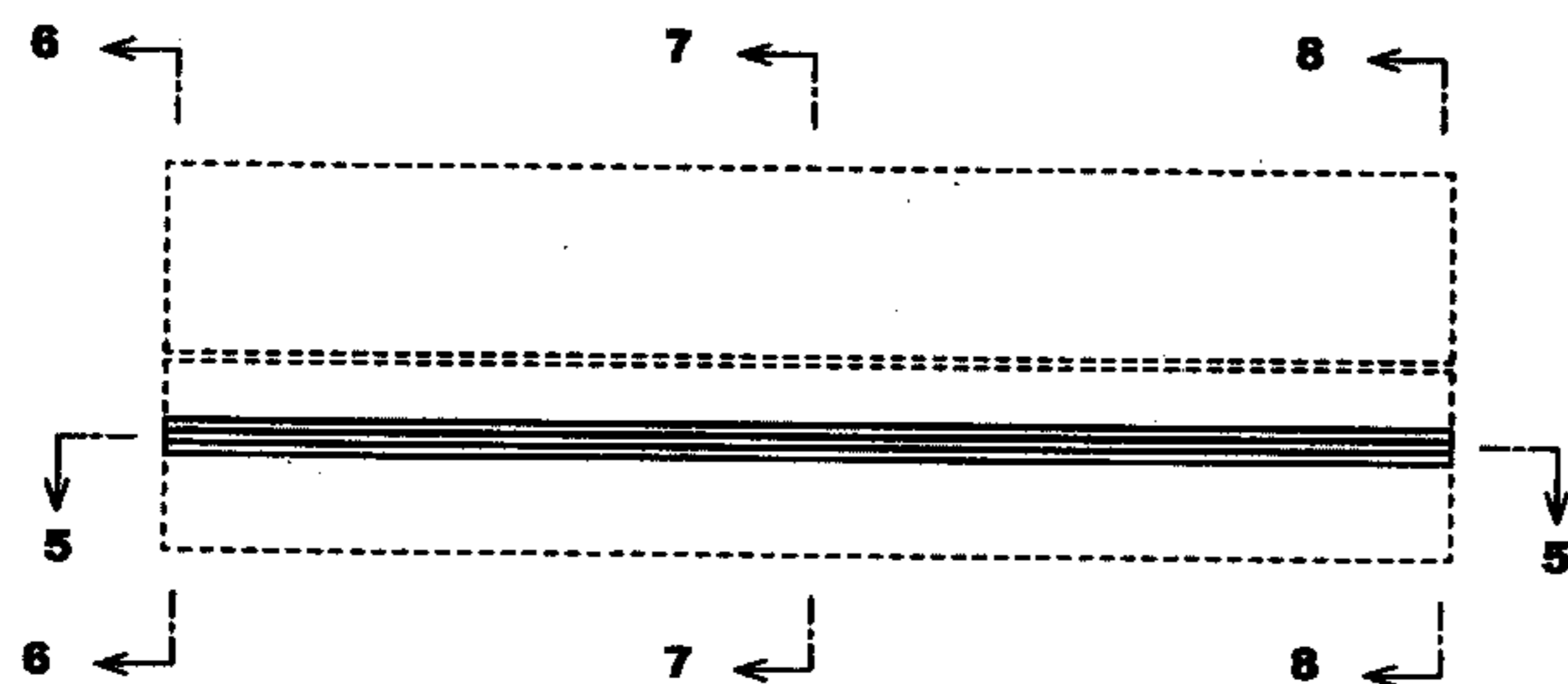
FIG. 7 is an enlarged cross-sectional view taken along line 7—7 of FIG. 1;

FIG. 8 is an enlarged cross-sectional view taken along line 8—8 of FIG. 1; and,

FIG. 9 is an enlarged view showing a section defined by line segments a—a' and b—b' of FIG. 3.

The broken lines in FIGS. 1 through 9 are shown for illustrative purposes only and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



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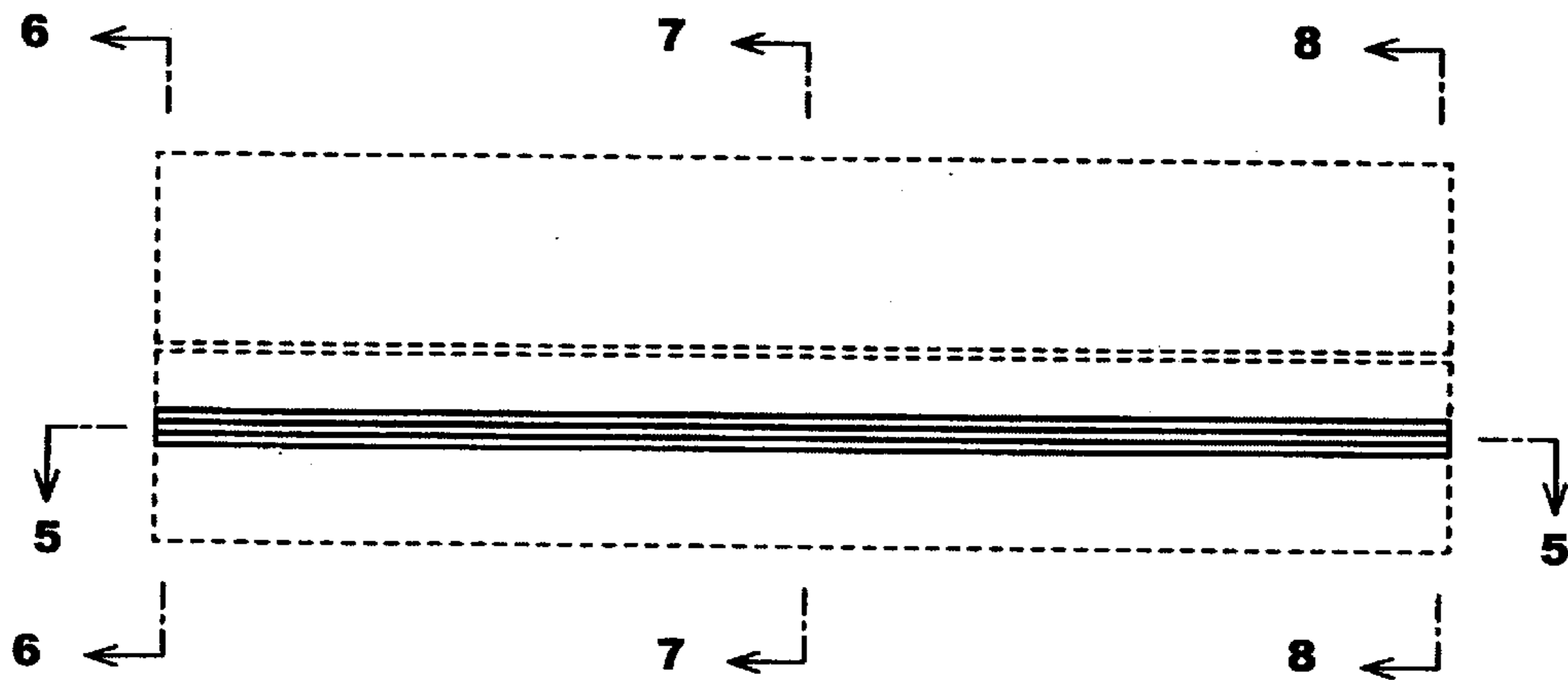
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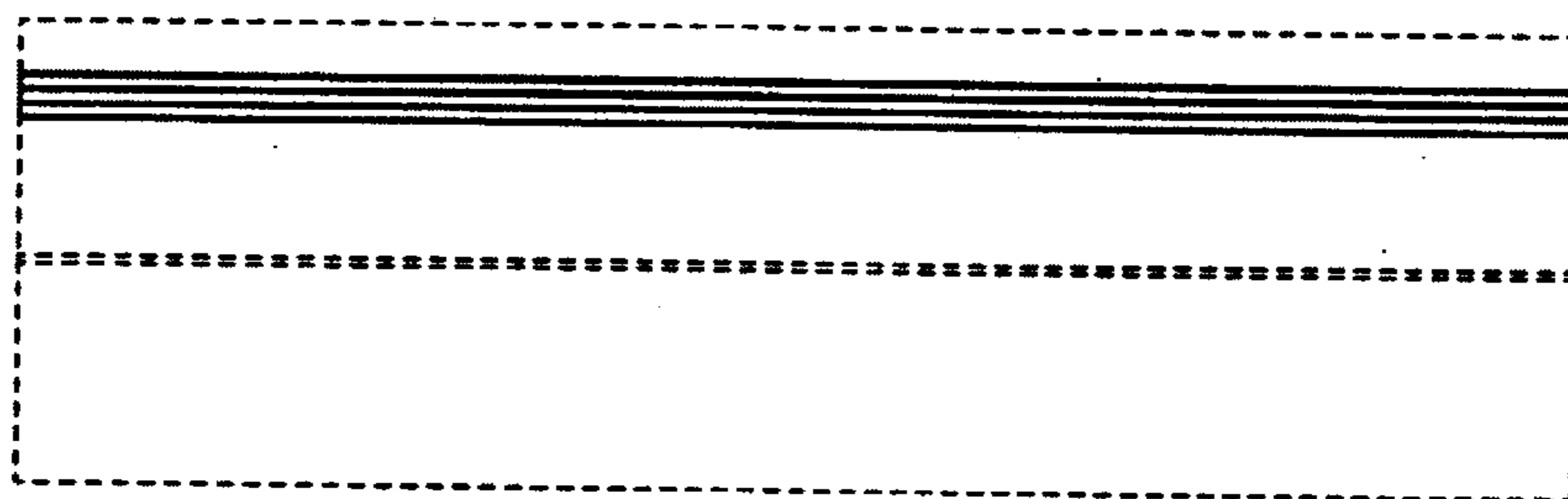
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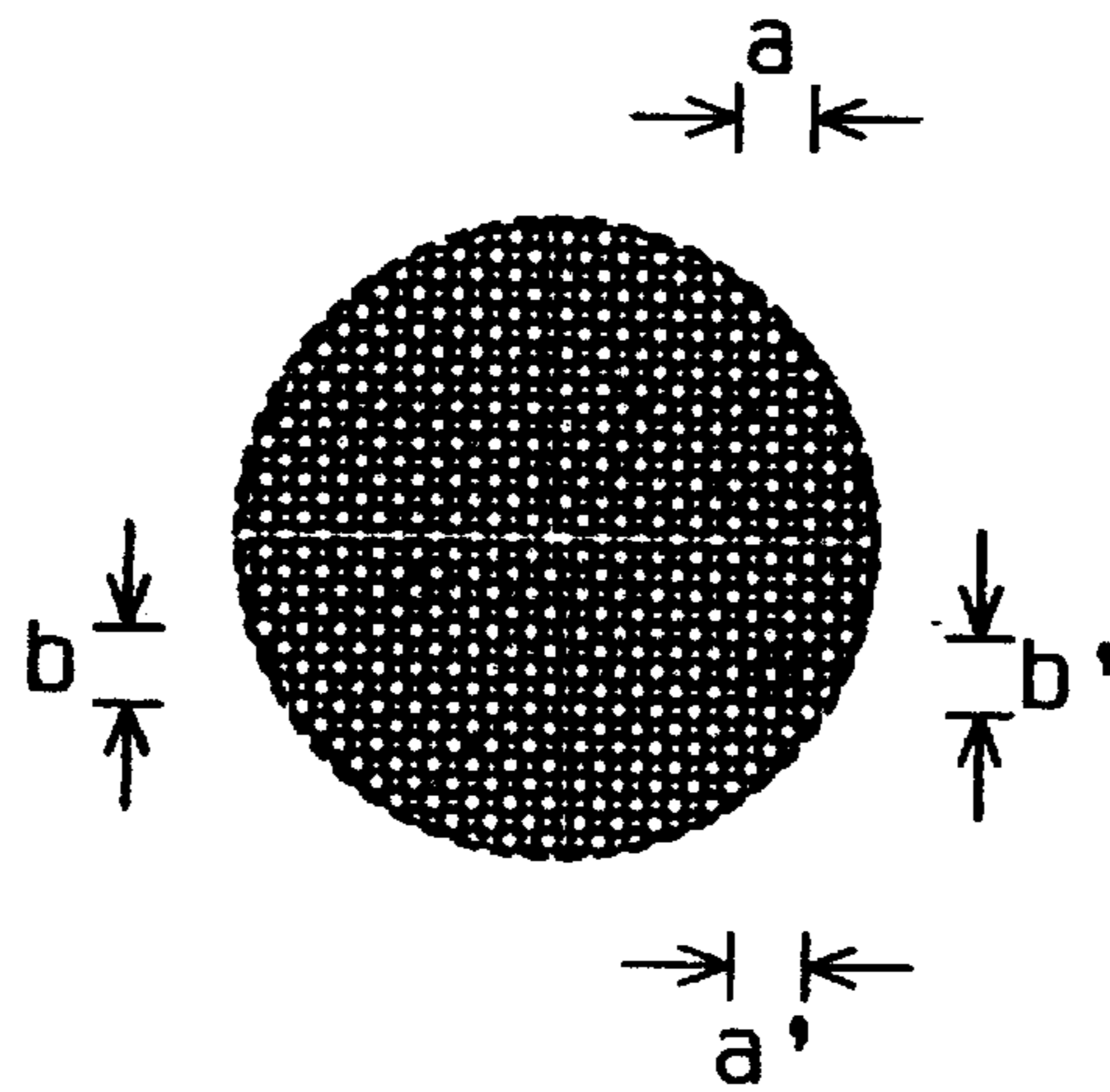
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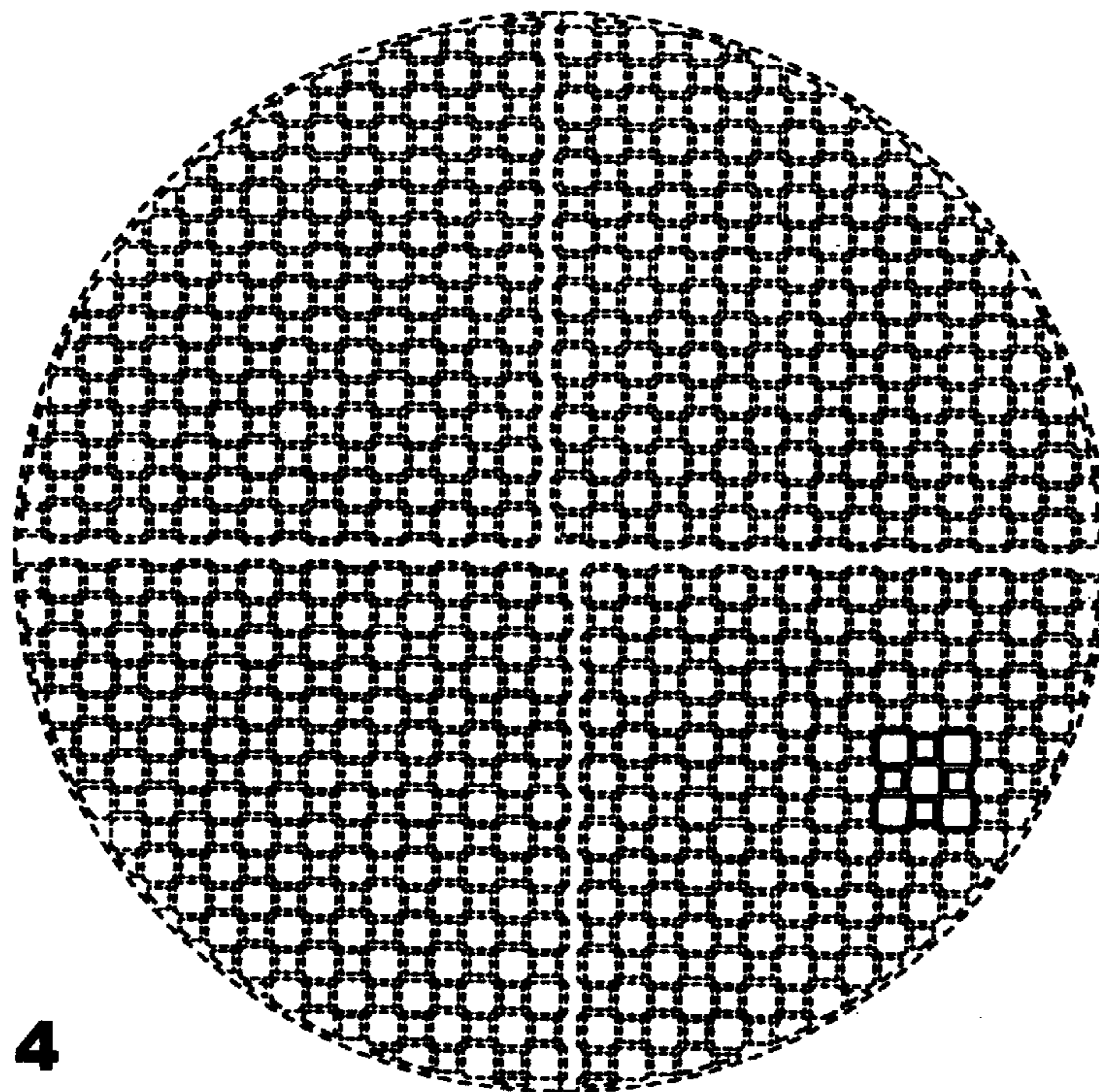
**Fig. 1**



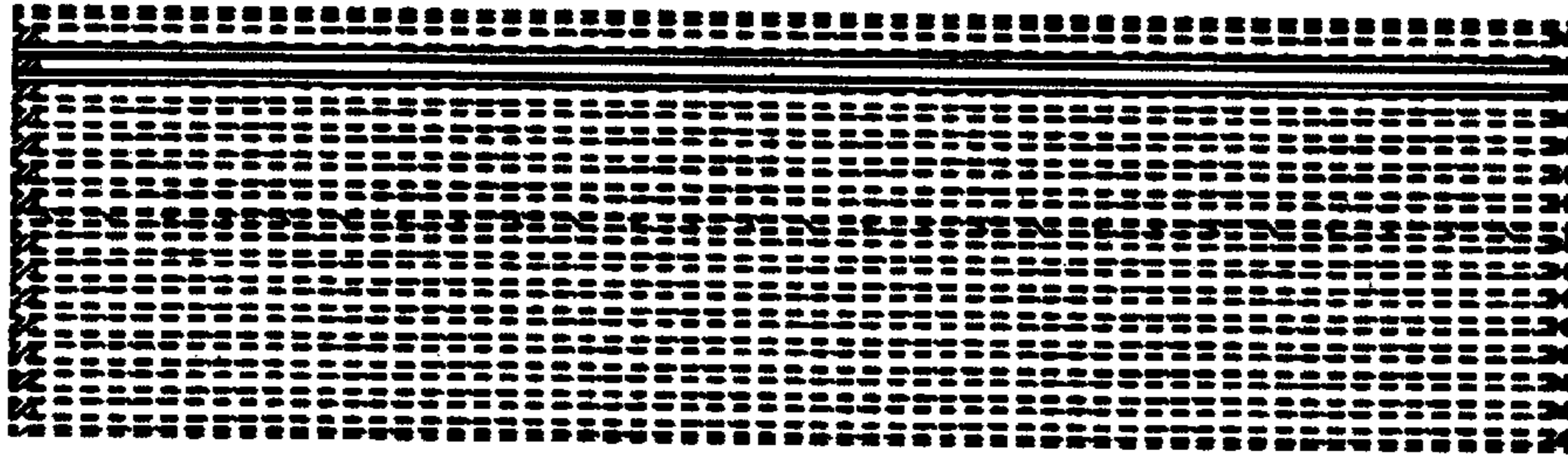
**Fig. 2**



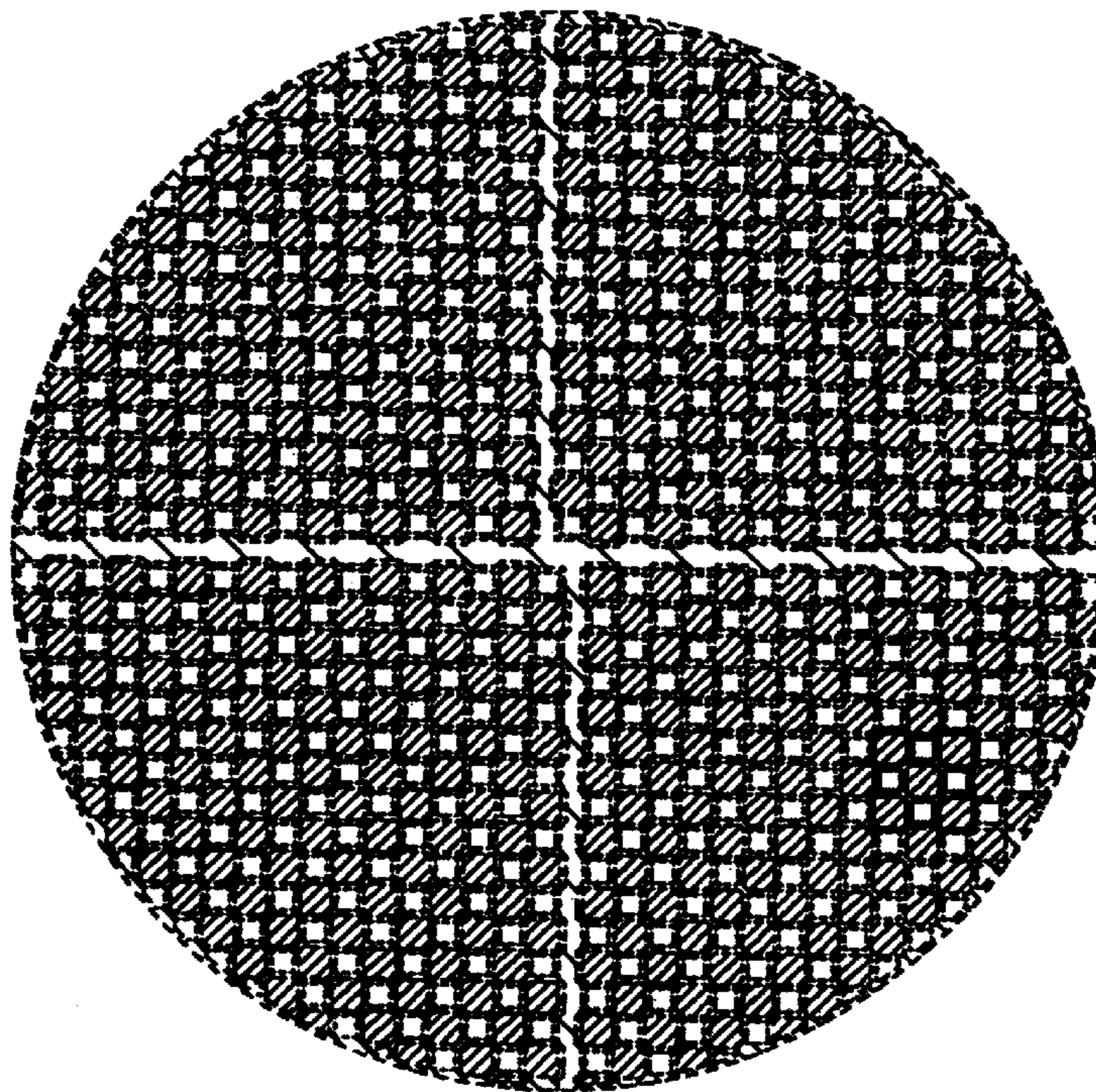
**Fig. 3**



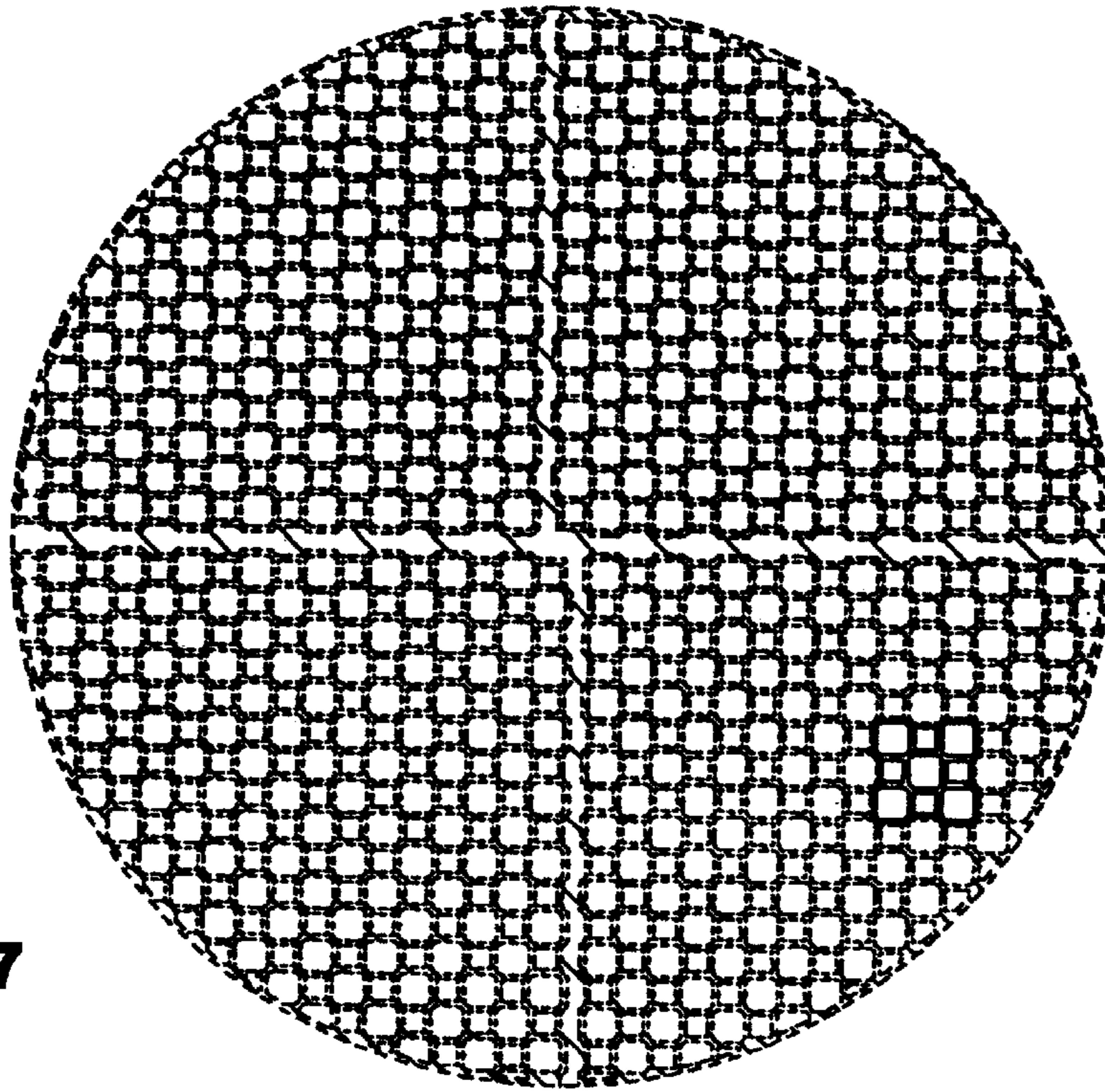
**Fig. 4**



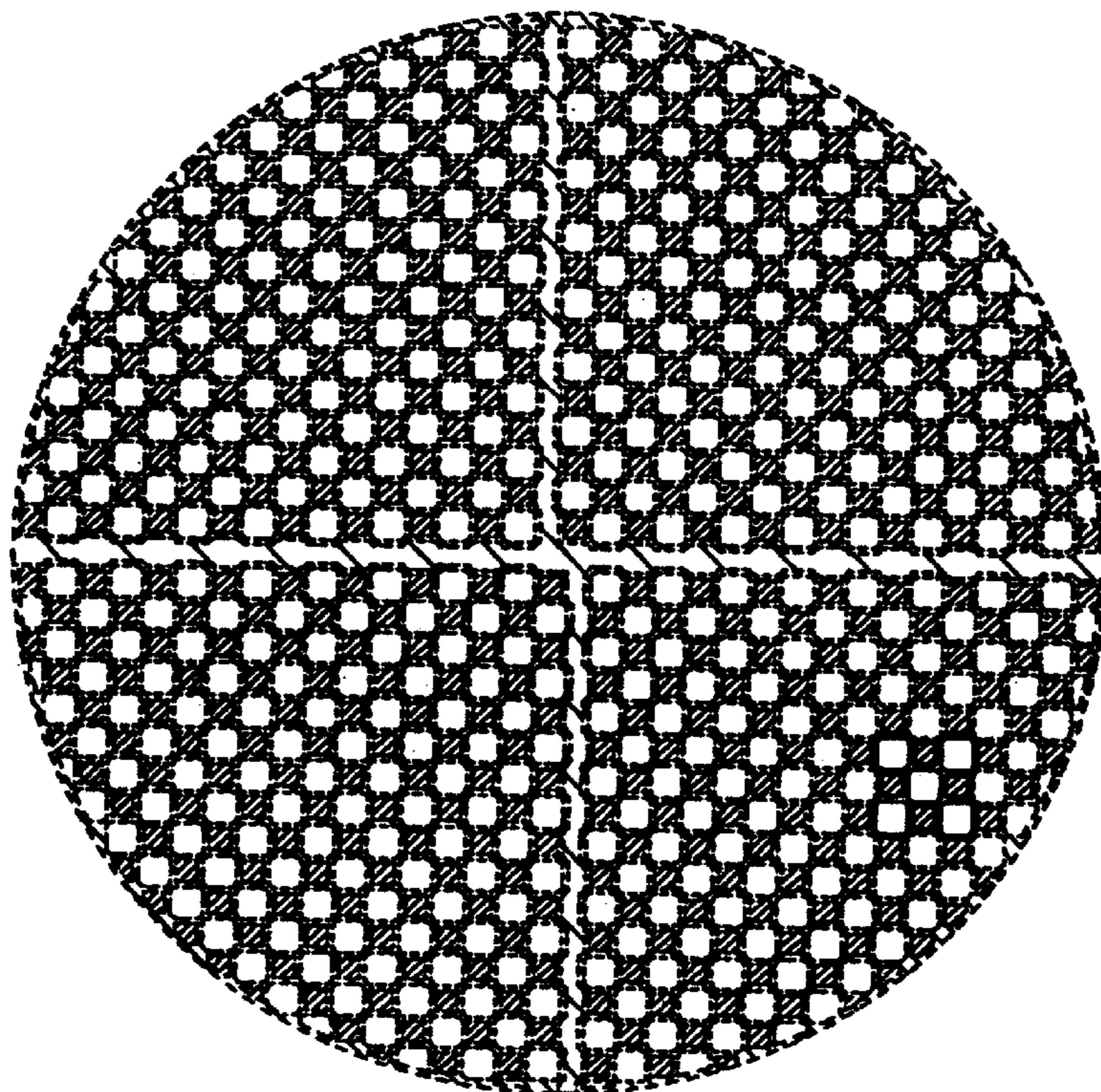
**Fig. 5**



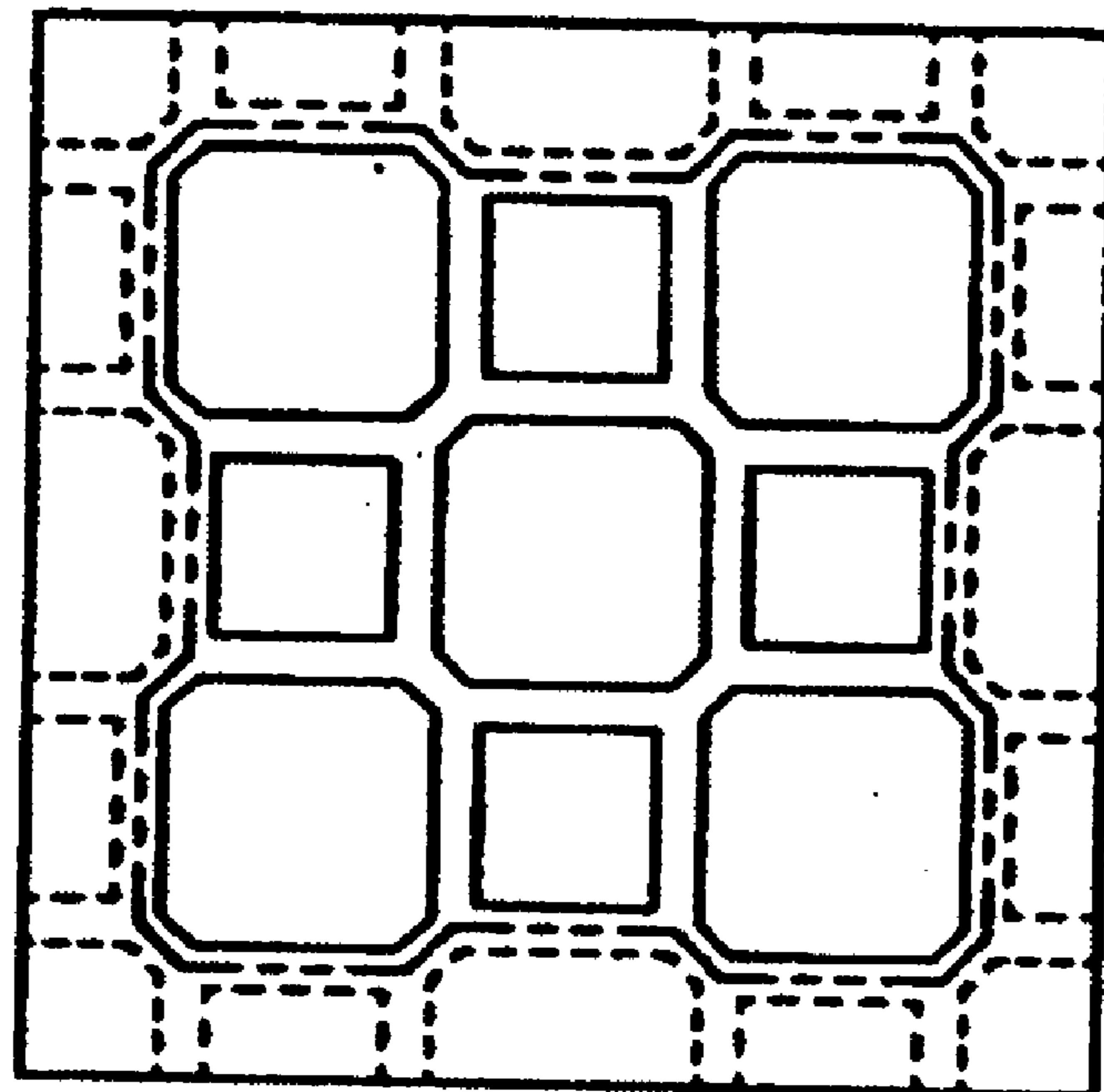
**Fig. 6**



**Fig. 7**



**Fig. 8**



**Fig. 9**