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

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(54) **COMPONENT FOR A CELL-COLLECTING CARTRIDGE**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/216**

(58) **Field of Classification Search**
USPC D24/216, 223, 224, 225, 226, 227, 231, D24/232, 233, 107, 169, 186; D10/81; 422/62-65, 67, 500, 547, 551, 552, 422/554; 436/43, 45, 47; 435/287.1, 287.3, 435/288.2, 288.4, 288.5, 305.1, 305.2; 73/64.56, 864.91, 865.9

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D333,187 S * 2/1993 Omi D24/225
D351,913 S * 10/1994 Hieb et al. D24/223

(Continued)

OTHER PUBLICATIONS

Masahito Hosokawa, et al., "Development of Microcavity Array System for Enumeration of Circulating Tumor Cells from Whole Blood," Biosensors 2012, May 2012.

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(57) **CLAIM**

The ornamental design for a component for a cell-collecting cartridge, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a component for a cell-collecting cartridge of the present invention.

FIG. 2 is a rear view of the component for a cell-collecting cartridge of FIG. 1.

FIG. 3 is a left side view of the component for a cell-collecting cartridge of FIG. 1.

FIG. 4 is a right side view of the component for a cell-collecting cartridge of FIG. 1.

FIG. 5 is a top view of the component for a cell-collecting cartridge of FIG. 1.

FIG. 6 is a bottom view of the component for a cell-collecting cartridge of FIG. 1.

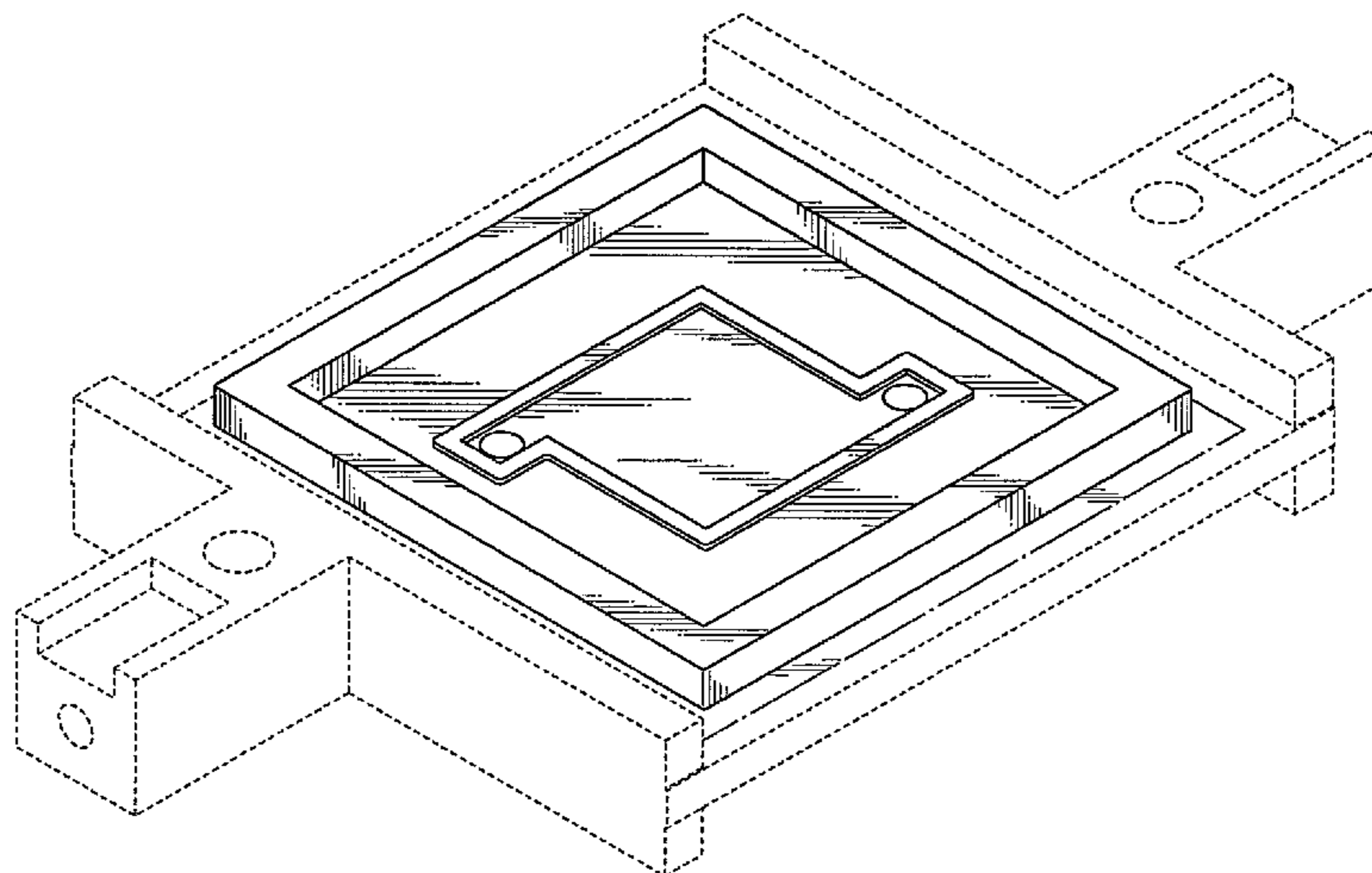
FIG. 7 is a perspective view of the component for a cell-collecting cartridge of FIG. 1.

FIG. 8 is a sectional view taken along line 8-8 of the component for a cell-collecting cartridge of FIG. 1, in which the internal components are omitted; and,

FIG. 9 is a sectional view taken along line 9-9 of the component for a cell-collecting cartridge of FIG. 1, in which the internal components are omitted.

The whole of the portion of the component for a cell-collecting cartridge is semi-transparent. The alternate dash-dot lines in FIGS. 1 and 7 represent the bounds of the claim, and the other broken lines represent the unclaimed portions of the component for a cell-collecting cartridge. None of the broken lines form a part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

5,849,208	A *	12/1998	Hayes et al.	435/287.1	D658,306	S *	4/2012	Gevaert et al.	D24/216
D473,318	S *	4/2003	Barbera-Guillem	D24/225	D669,594	S *	10/2012	Cao et al.	D24/216
D495,805	S *	9/2004	Lea et al.	D24/223	D681,843	S *	5/2013	Nemeth	D24/224
D500,142	S *	12/2004	Crisanti et al.	D24/224	2003/0118477	A1 *	6/2003	Liljestrand et al.	422/68.1
D639,975	S *	6/2011	Doyle et al.	D24/225	2005/0070012	A1 *	3/2005	Muraishi	435/287.2
					2009/0170189	A1 *	7/2009	Park et al.	435/288.7
					2010/0247377	A1 *	9/2010	Tsutsumida et al.	422/64
					2011/0150705	A1 *	6/2011	Doyle et al.	422/68.1

* cited by examiner

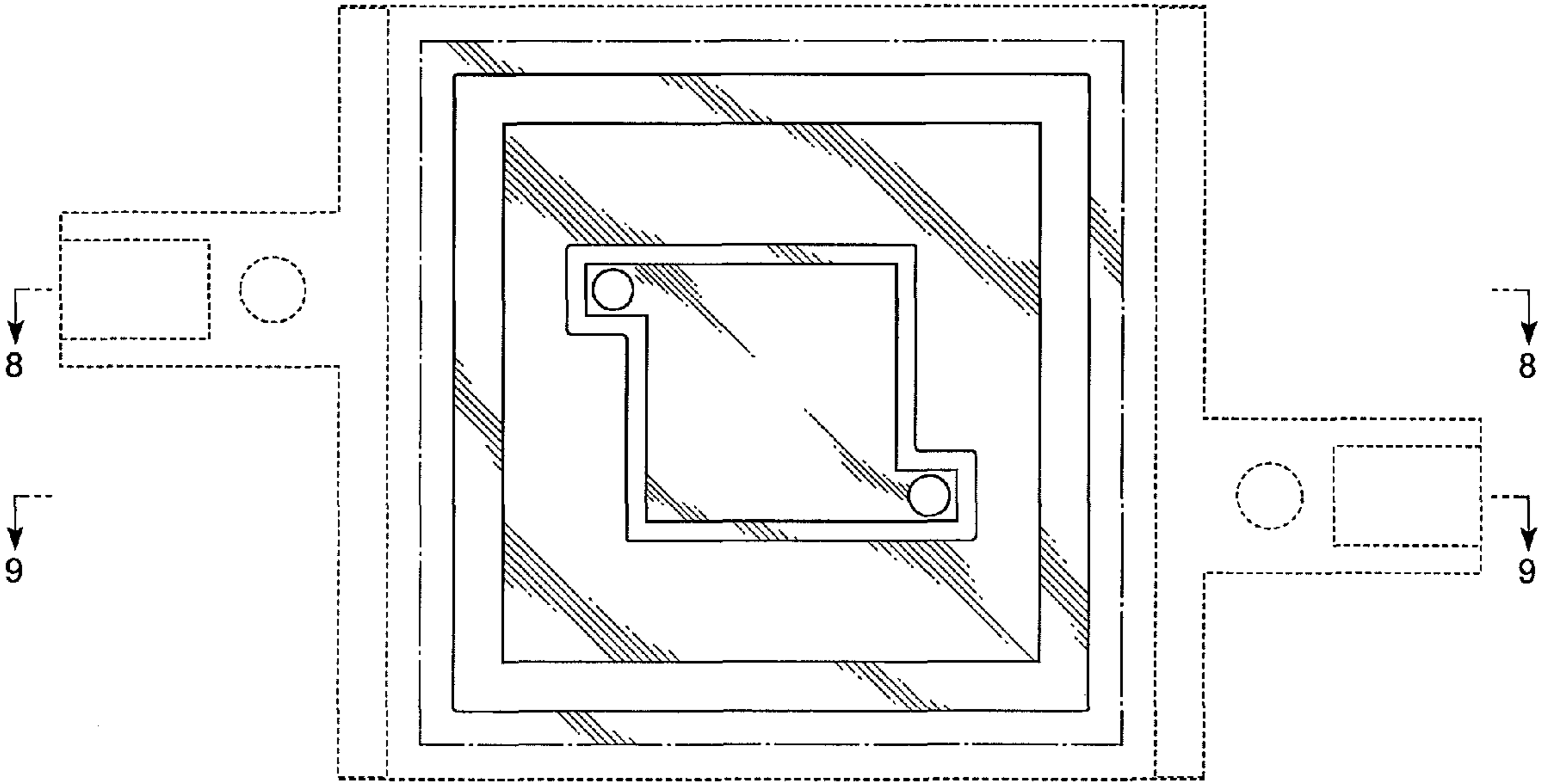


FIG. 1

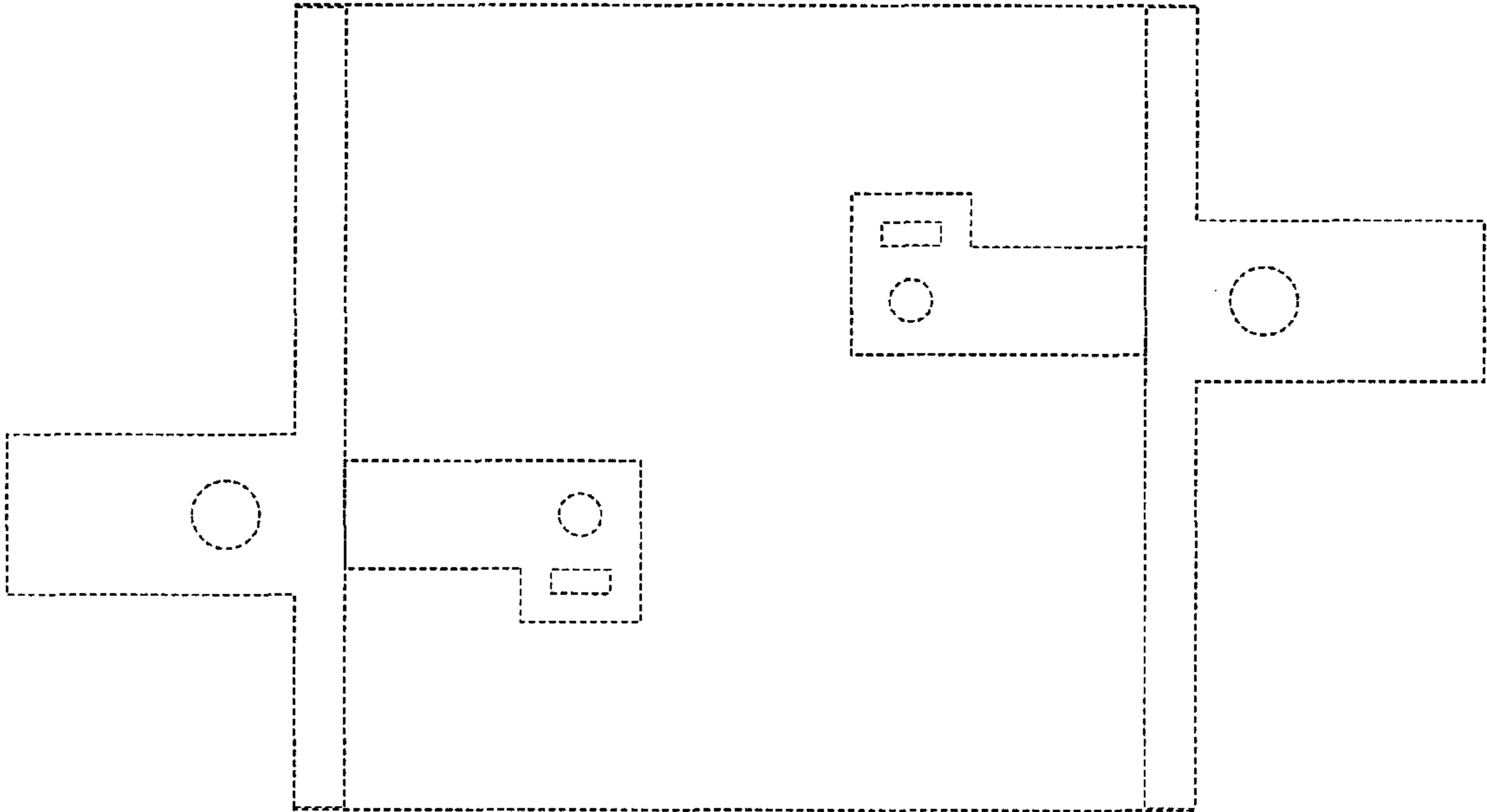


FIG. 2

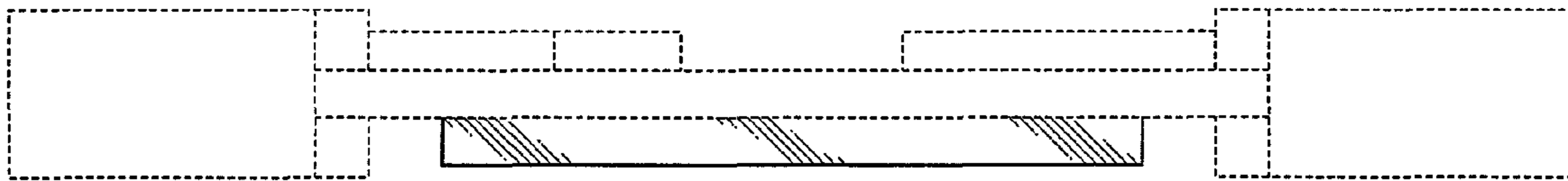


FIG. 3

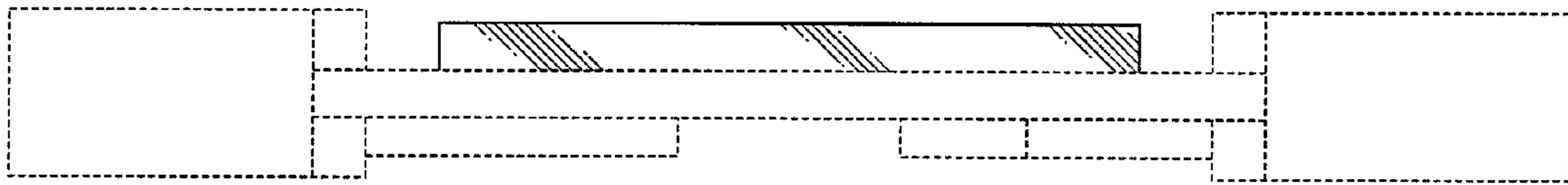


FIG. 4



FIG. 5

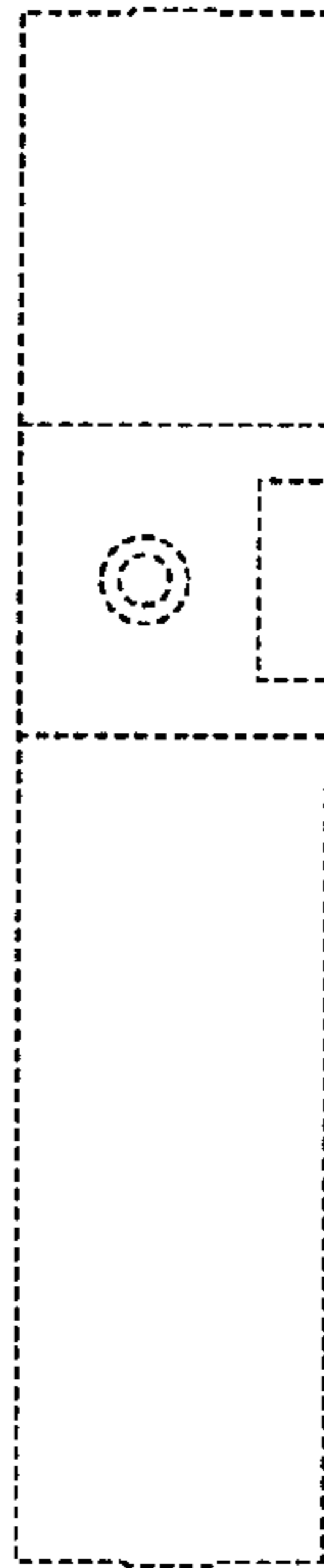


FIG. 6

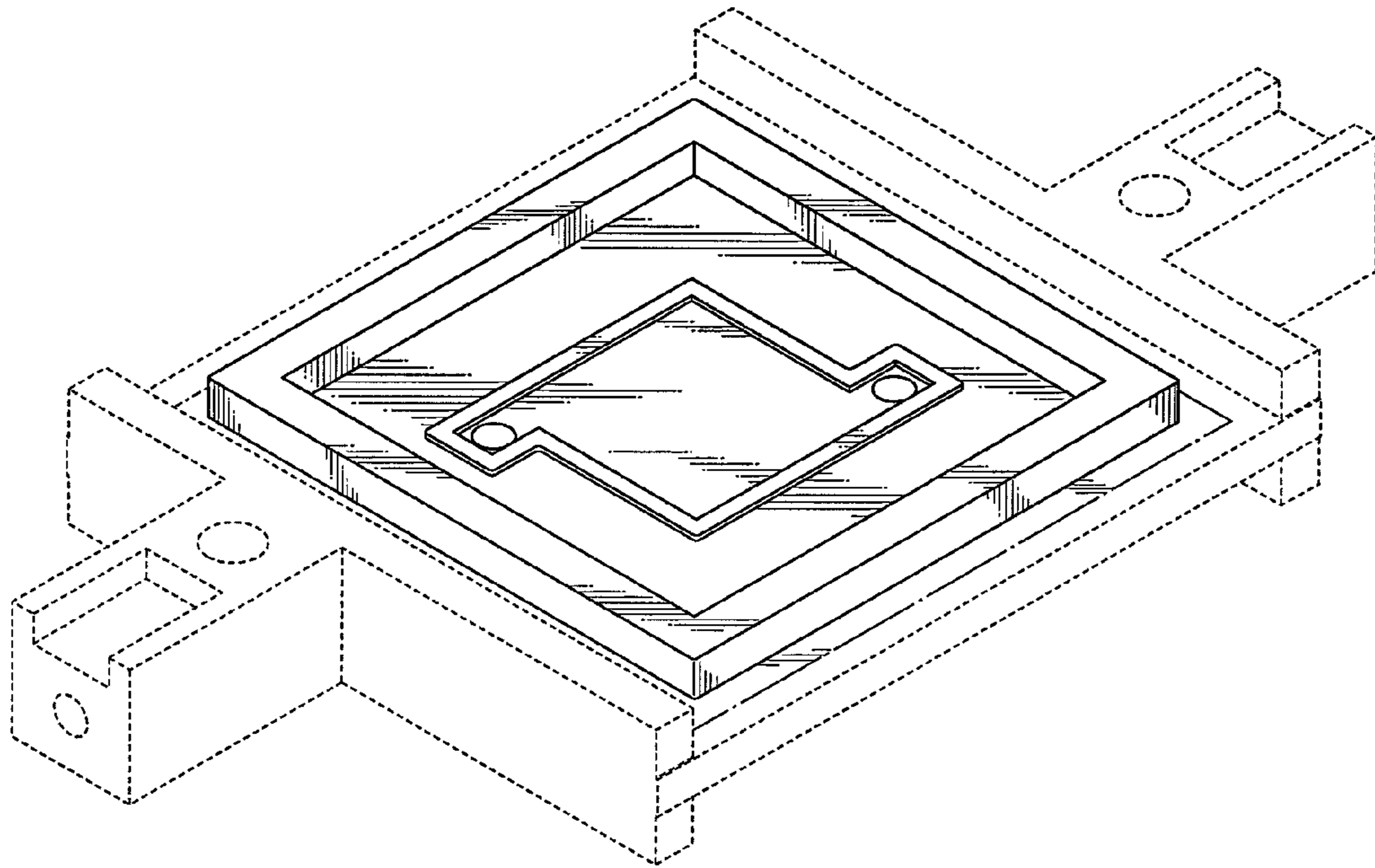


FIG. 7

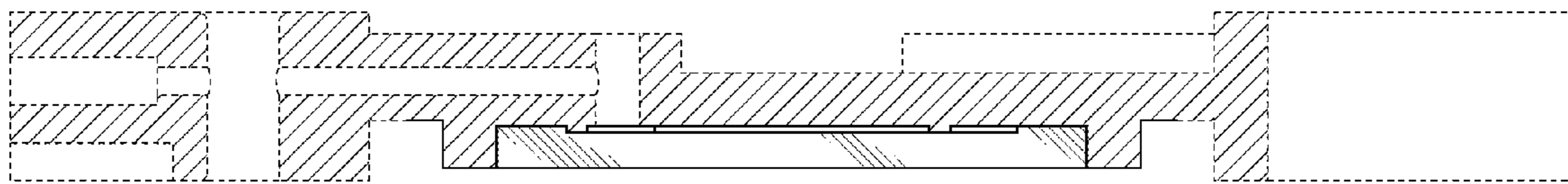


FIG. 8

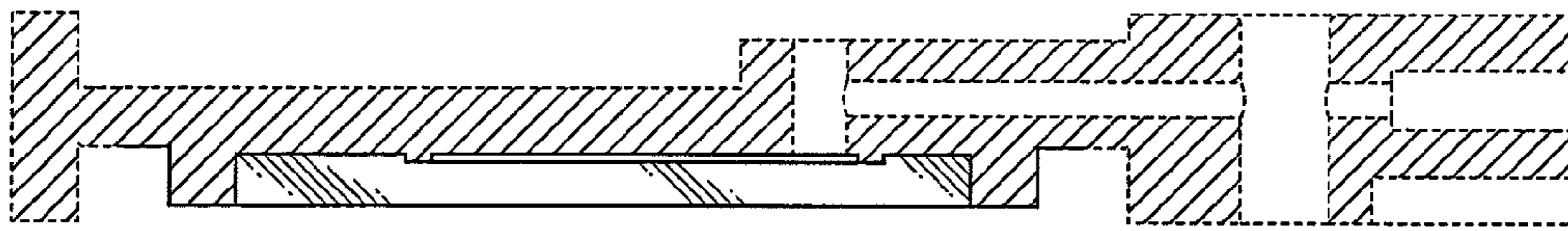


FIG. 9