



US00D373633S

United States Patent [19]

La Motte

[11] Patent Number: Des. 373,633

[45] Date of Patent: **Sep. 10, 1996

[54] MANIFOLD DEVICE FOR CHEMICAL SOLID PHASE REACTIONS

[75] Inventor: **Bengt La Motte**, Solna, Sweden

[73] Assignee: **Pharmacia Biotech AB**, Upsala, Sweden

[**] Term: **14 Years**

[21] Appl. No.: **32,682**

[22] Filed: **Dec. 23, 1994**

[30] Foreign Application Priority Data

Dec. 23, 1994 [SE] Sweden 941422

[52] U.S. Cl. **D24/133**; 436/809; D24/226

[58] Field of Search D24/223, 222, D24/232, 226, 231; 422/103, 102, 100, 99; 222/6, 575, 545, 573; 436/808, 809; 365/246; 206/569

[56] References Cited

U.S. PATENT DOCUMENTS

D. 226,846	5/1973	Rosenburg	.....	D24/226
D. 271,619	11/1983	Herrman	.....	D24/226
D. 282,208	1/1986	Lowry	.....	D24/222
4,200,613	4/1980	Alfrey et al.	.....	436/809 X
4,462,964	7/1984	Guigan	.....	436/809 X
4,659,222	4/1987	Ekholm	.....	356/246 X
4,675,299	6/1987	Witty et al.	.....	D24/226
4,787,744	11/1988	Hissung	.....	356/246
4,895,706	1/1990	Root et al.	.....	422/102
4,948,564	8/1990	Root et al.	.....	436/809 X

FOREIGN PATENT DOCUMENTS

0290018	11/1988	European Pat. Off.	.....	436/809
0483620	5/1992	European Pat. Off.	.....	422/102
1671531	8/1991	U.S.S.R.	.....	422/102
2212072	7/1989	United Kingdom	.....	422/102
8300296	2/1983	WIPO	.....	422/102
WO94/00597	6/1993	WIPO	.	
WO94/11529	11/1993	WIPO	.	

OTHER PUBLICATIONS

Labindurtries Today—Liquid Handling Systems No. pg. given.

Proc. Natl. Acad. Sci. USA, vol. 91, pp. 2245–2249, Mar. 1994, Genetics, "Manifold sequencing: Efficient processing of large sets of sequencing reactions," Arild Lagerkvist et al.

Primary Examiner—Louis S. Zarfes

Assistant Examiner—Frank Martinez

Attorney, Agent, or Firm—Birch, Stewart, Kolasch & Birch, LLP

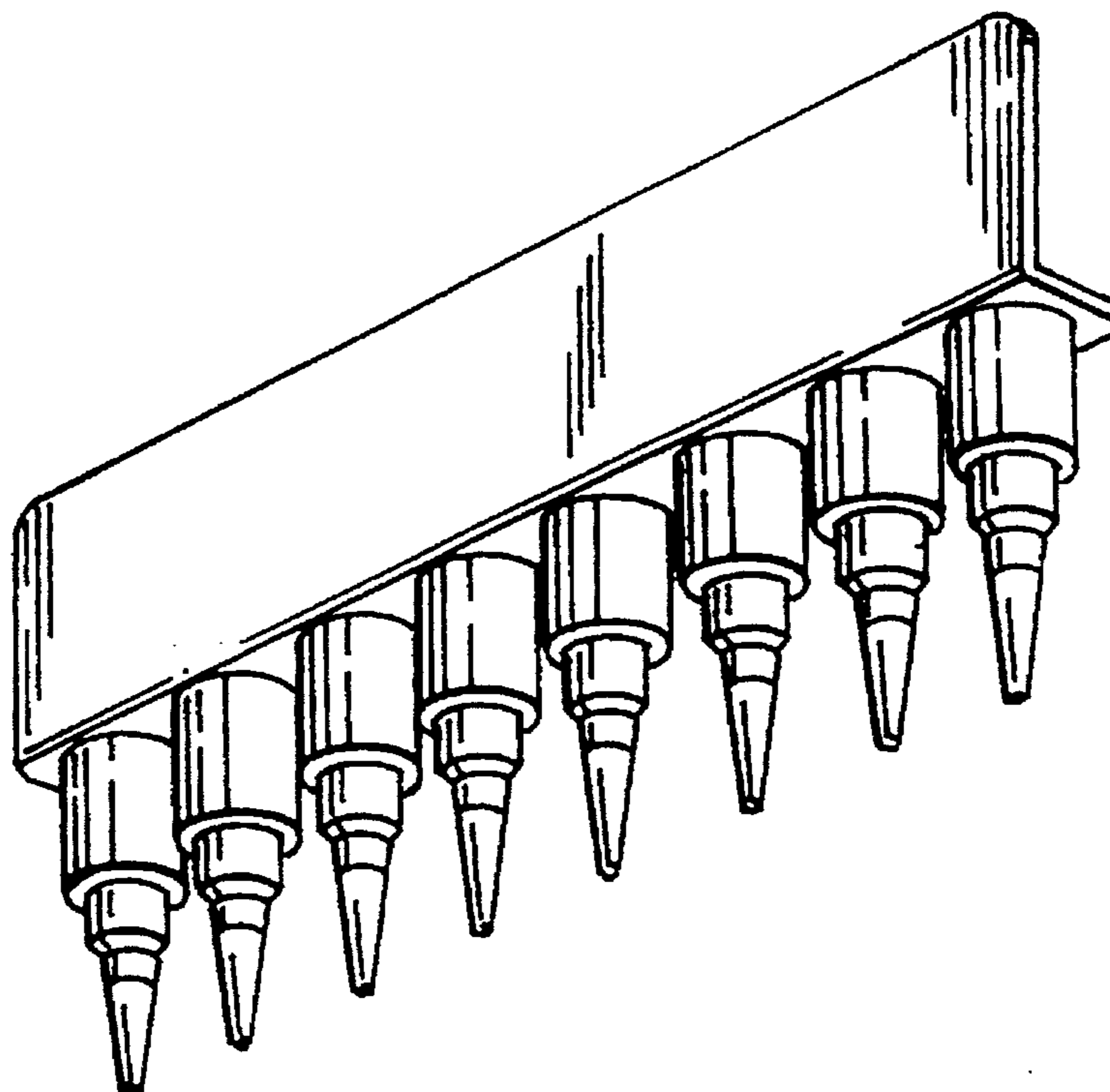
[57] CLAIM

The ornamental design for a manifold device for chemical solid phase reactions, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a manifold device for chemical solid phase reactions showing our new design; FIG. 2 is a another perspective view thereof; and, FIG. 3 is a top plan view thereof.

1 Claim, 1 Drawing Sheet



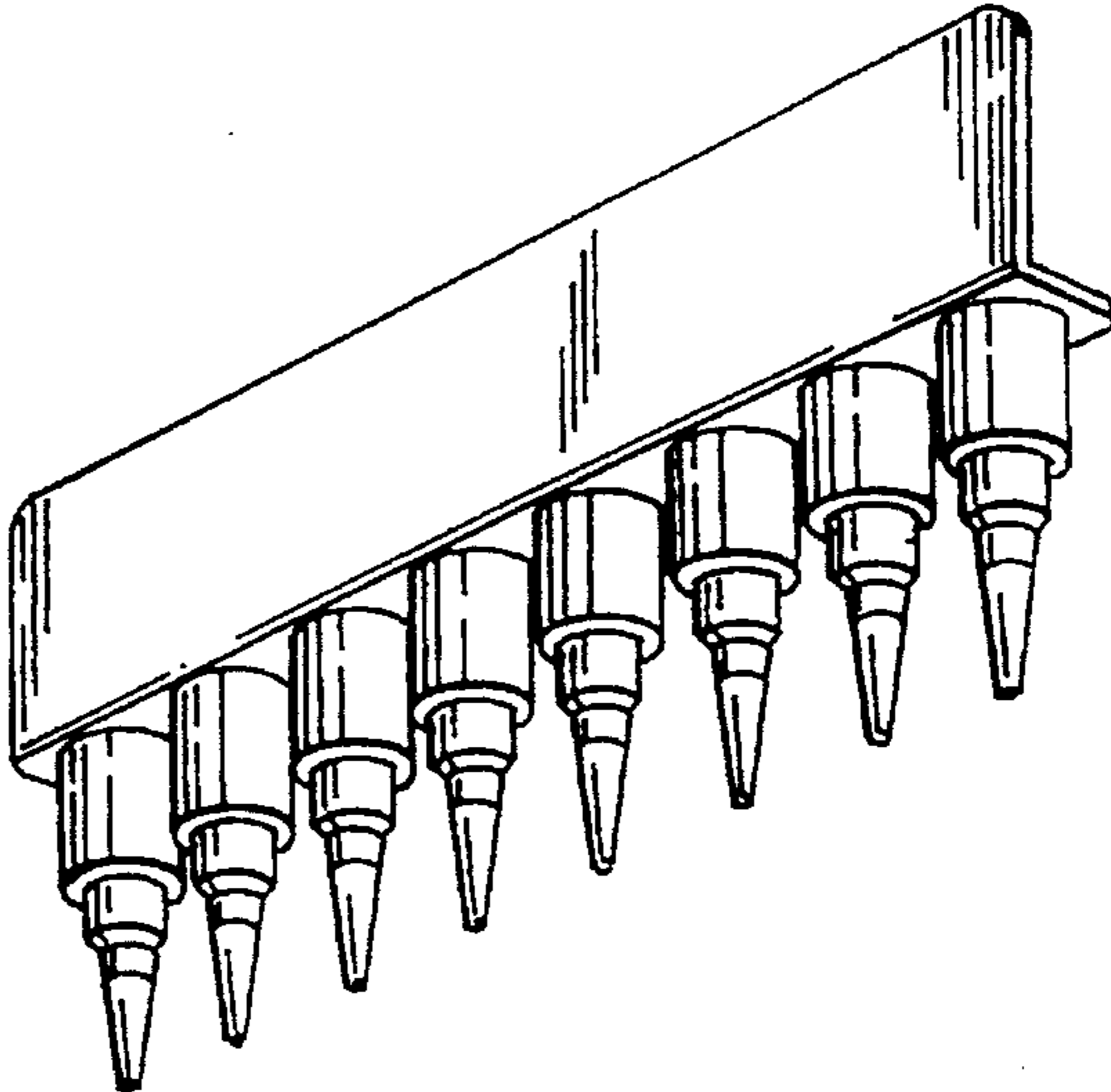


FIG. 1

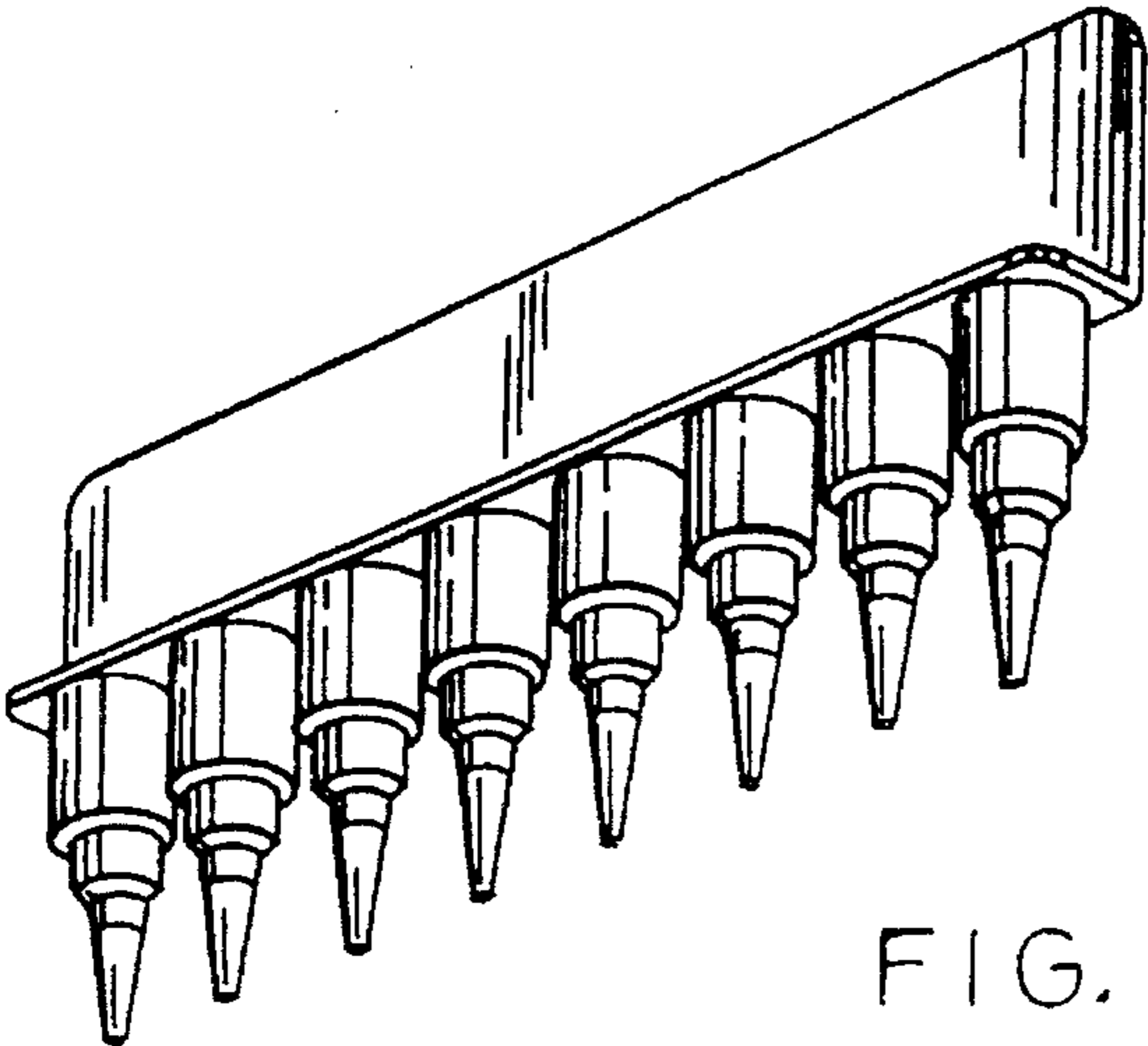


FIG. 2



FIG. 3