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# United States Patent [19]

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**Kopf**

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[54] **FILTER SHEET SUPPORT ELEMENT**

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

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[52] U.S. Cl. .... **D24/162**

[58] Field of Search ..... **D24/162, 164, 169;**  
210/321.61, 321.86, 321.87, 323.1, 340, 231,  
321.75, 486, 487, 493.1, 493.2

4,735,718	5/1986	Peters .....	210/321.1
4,750,983	6/1988	Foster et al. ....	204/301
4,769,140	9/1988	Van Dijk et al. ....	210/184
4,801,381	1/1989	Niesen .....	210/321.84
4,867,876	9/1989	Kopf .....	210/228
4,882,050	11/1989	Kopf .....	210/231
4,956,085	9/1990	Kopf .....	210/231

### FOREIGN PATENT DOCUMENTS

369216	8/1984	European Pat. Off. .
2930986	2/1980	Fed. Rep. of Germany .
229603	1/1985	German Democratic Rep. .
8600237	1/1986	PCT Int'l Appl. .
1392030	4/1975	United Kingdom .

[56] **References Cited**

#### U.S. PATENT DOCUMENTS

744,761	11/1903	James .	
802,105	10/1905	Johnson et al. .	
1,138,251	5/1915	Schaefer .	
1,282,414	12/1918	Hagstrom .	
1,540,251	9/1925	Buckley et al. .	
2,390,628	12/1945	Van Winkle .....	210/188
2,473,986	9/1949	Booth .....	210/185
2,590,242	3/1952	Fusco .....	210/188
3,221,883	12/1965	Linnström .....	210/228
3,471,023	10/1969	Rosaen .....	210/493.1 X
3,520,803	7/1970	Iaconelli .....	210/23
3,585,131	6/1971	Esmond .....	210/321
3,659,718	5/1972	Brociner et al. ....	210/486 X
3,966,612	6/1976	Johansson .....	210/338
3,988,242	10/1976	Kurita et al. ....	210/227
4,229,304	10/1980	Fisner .....	210/231
4,235,721	11/1980	Nakamura et al. ....	210/227
4,310,416	1/1982	Tanaka et al. ....	210/321.3
4,411,784	10/1983	Esmond .....	210/321.1
4,430,218	2/1984	Peri et al. ....	210/321.3
4,540,492	9/1985	Kessler .....	216/651
4,543,187	9/1985	Steppacher .....	210/232
4,610,789	9/1986	Barch .....	210/321.87
4,624,784	11/1986	Lefebvre .....	210/321.1

### OTHER PUBLICATIONS

Prostak TM Bench Top Development System Lit No. SD200, Aug. 1986.

"Laboratory Ultra Filtration Products for Improved Biological Recovery", Lit. No. AB841, Oct. 1988.

"Shorten the Race to the Market with Millipore Pilot and Process Systems", Lit. No. SD100, Jan. 1988.

Primary Examiner—Stella Reid

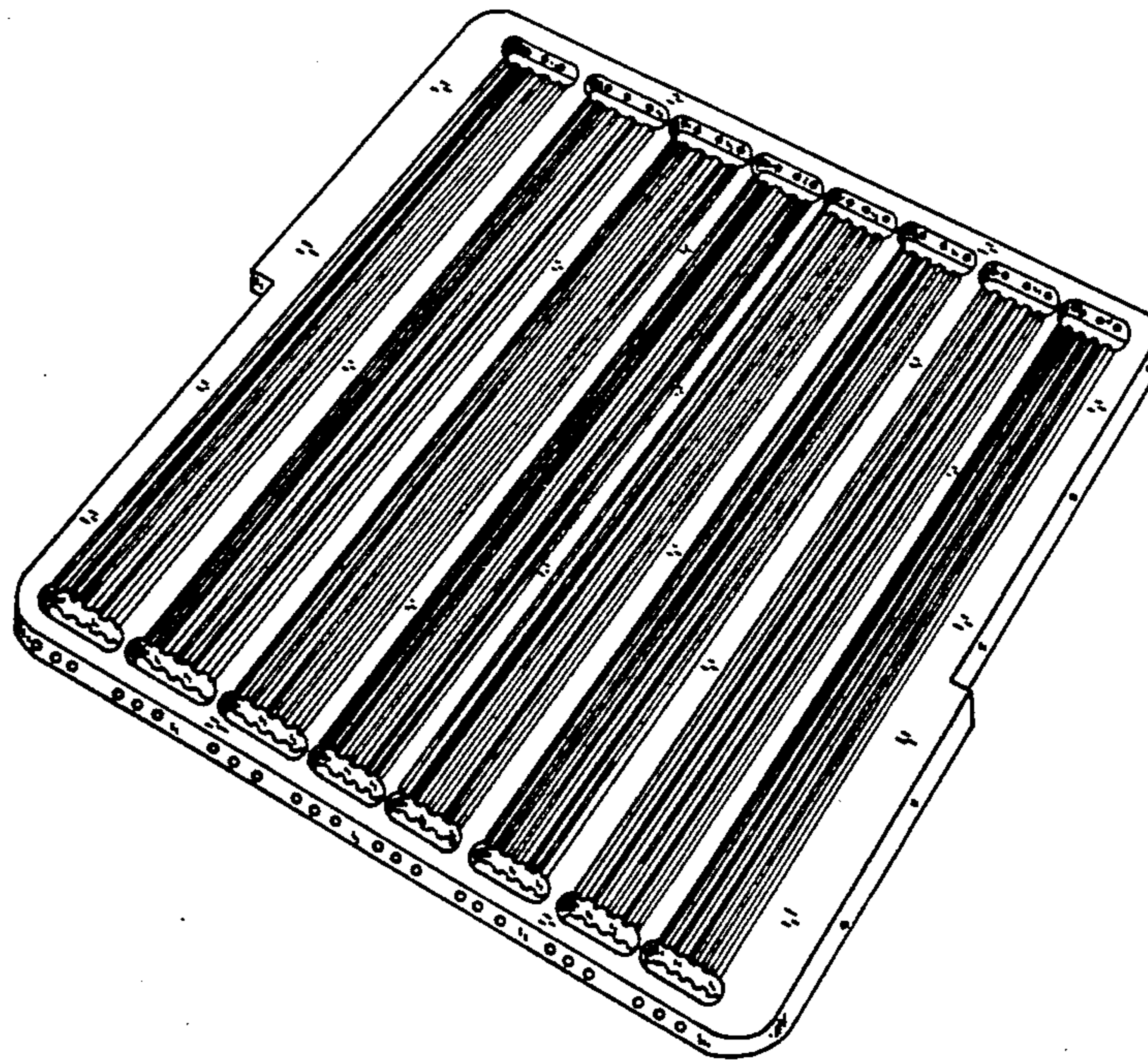
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[57] **CLAIM**

The ornamental design for a filter sheet support element, as shown and described.

### DESCRIPTION

FIG. 1 is a perspective view of a filter sheet support element, showing my new design; FIG. 2 is a top plan view thereof, the bottom plan view being identical thereto; FIG. 3 is a right side elevational view thereof, the left side elevational view being identical thereto; and, FIG. 4 is a front elevational view thereof, the rear elevational view being identical thereto.



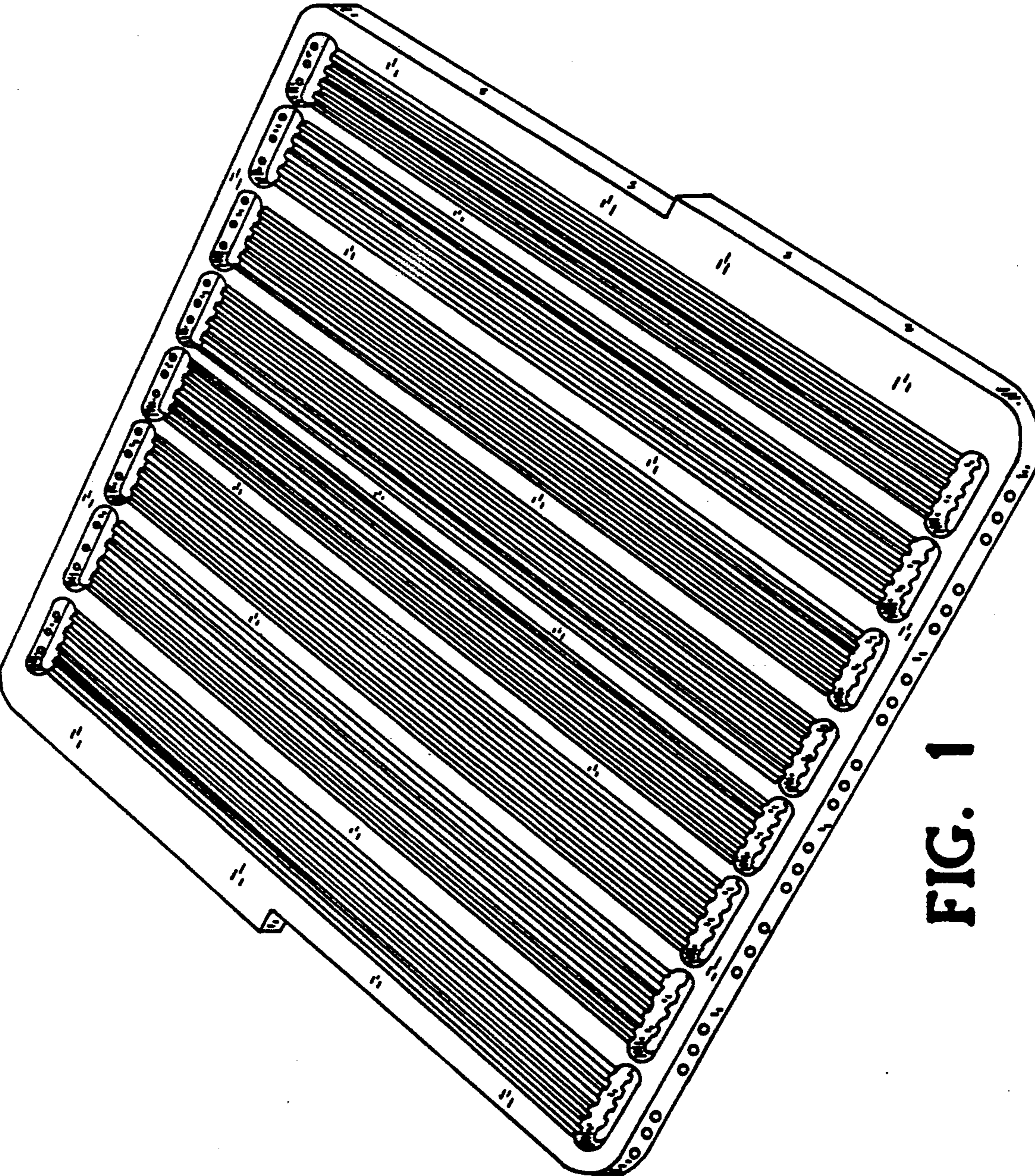


FIG. 1

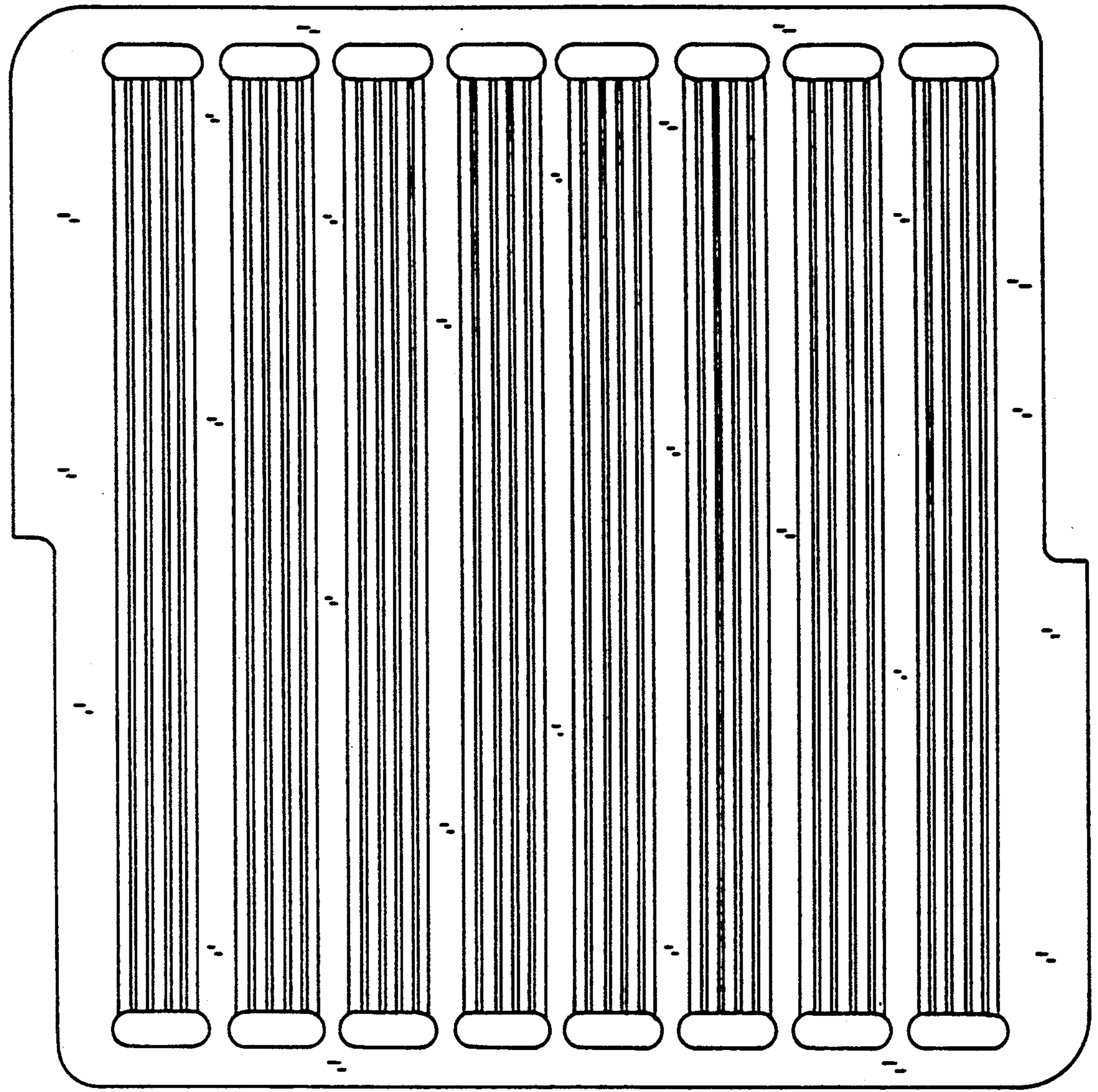


FIG. 2



FIG. 3



FIG. 4