

Fig. 1A

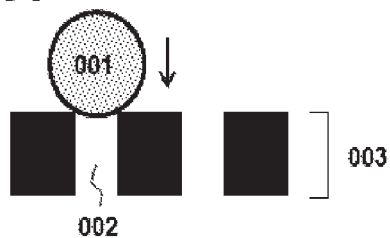


Fig. 1E

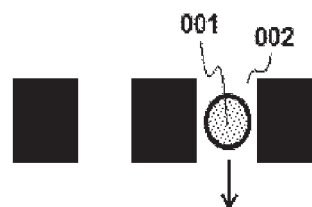


Fig. 1B

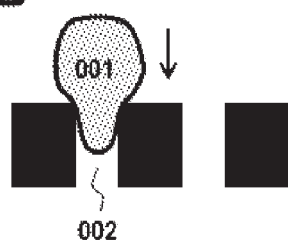


Fig. 1F

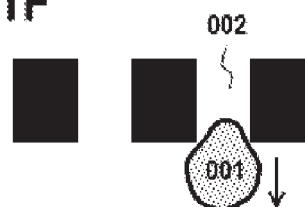


Fig. 1C

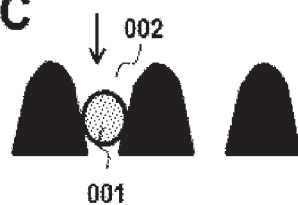


Fig. 1G

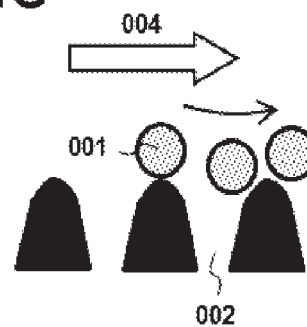


Fig. 1D



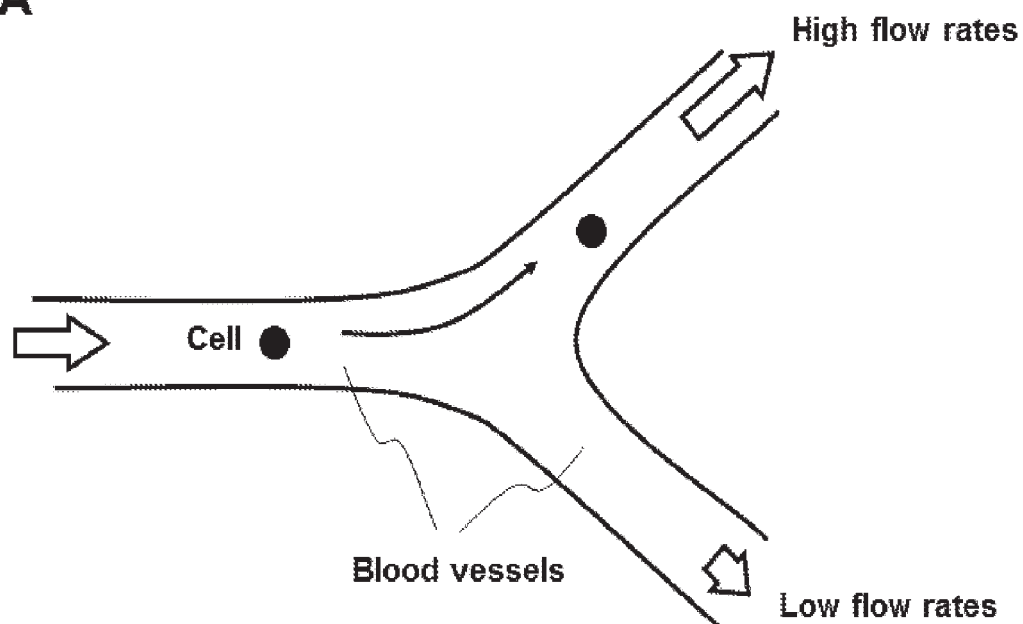
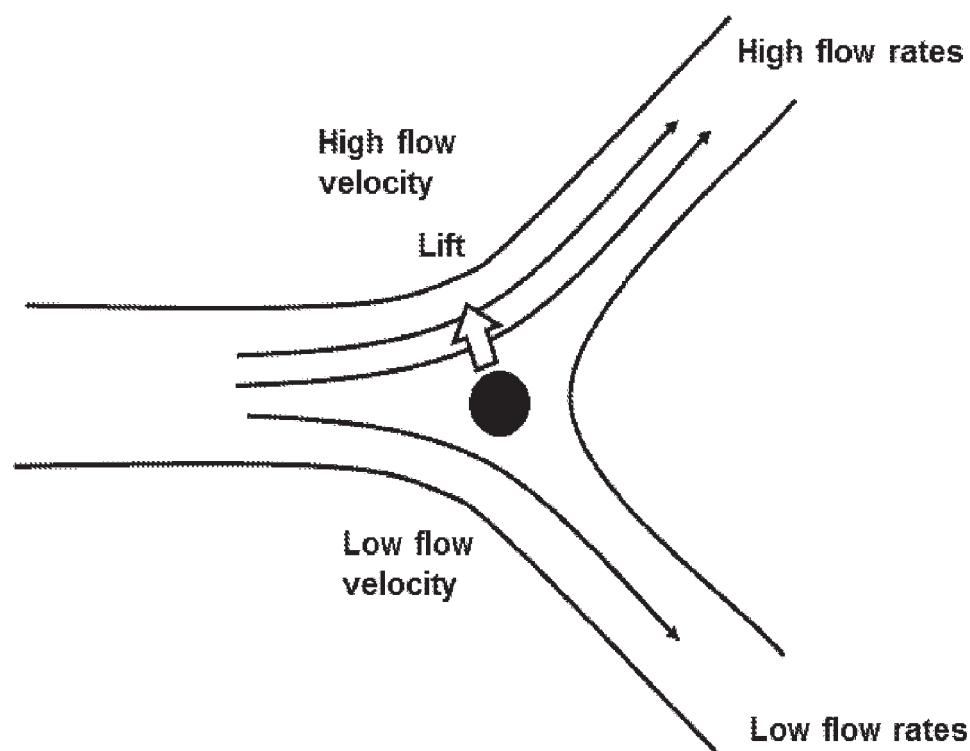
Fig. 2A**Fig. 2B**

Fig. 3A

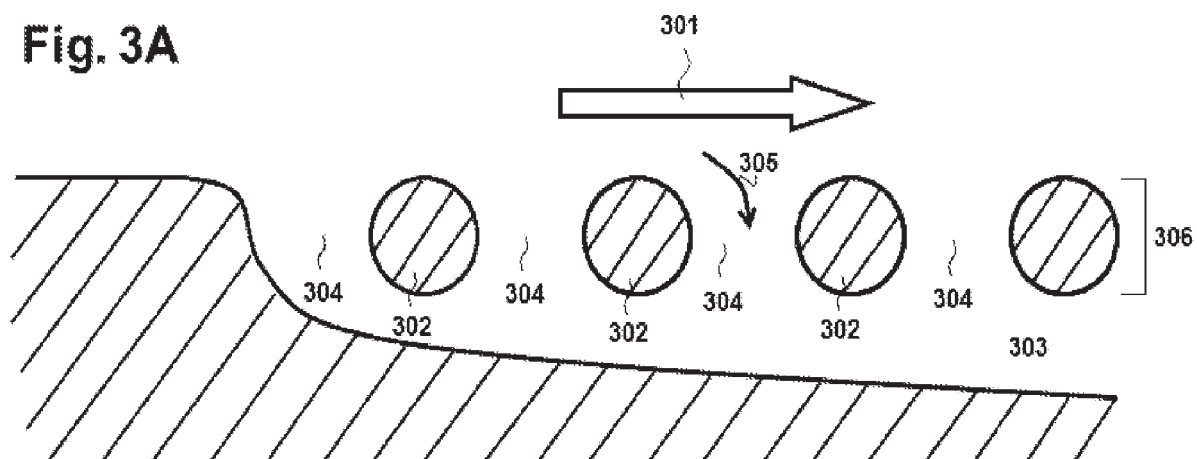


Fig. 3B

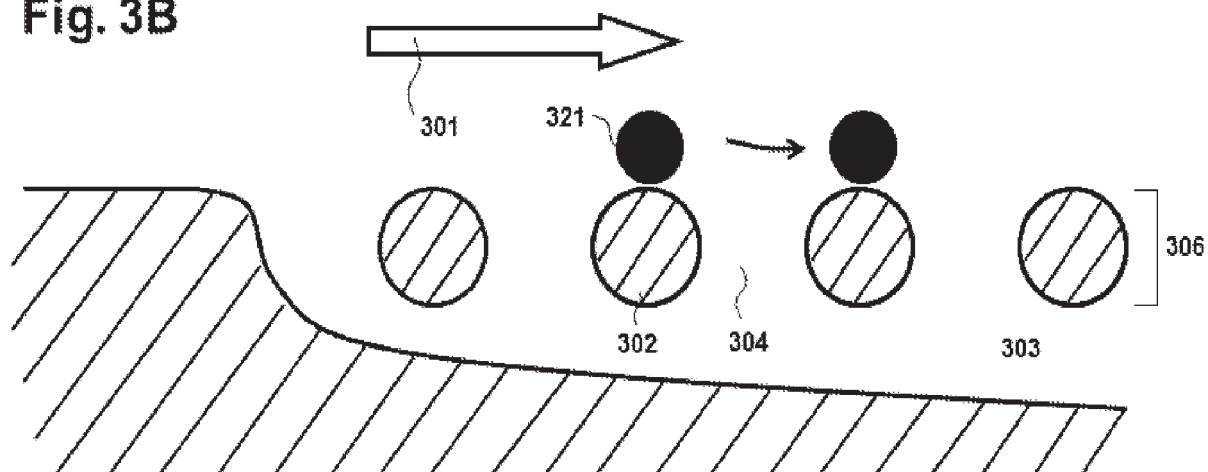


Fig. 3C

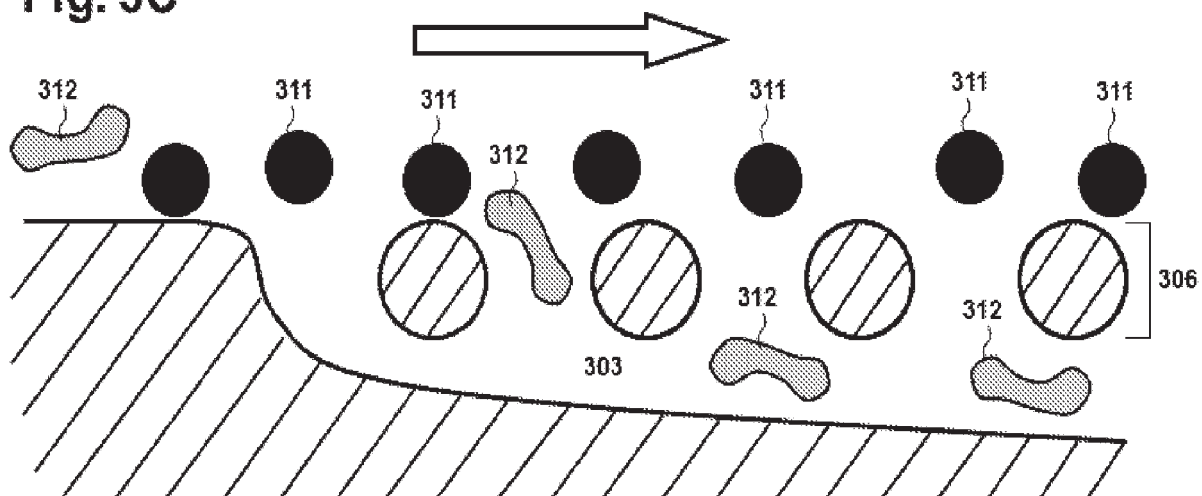


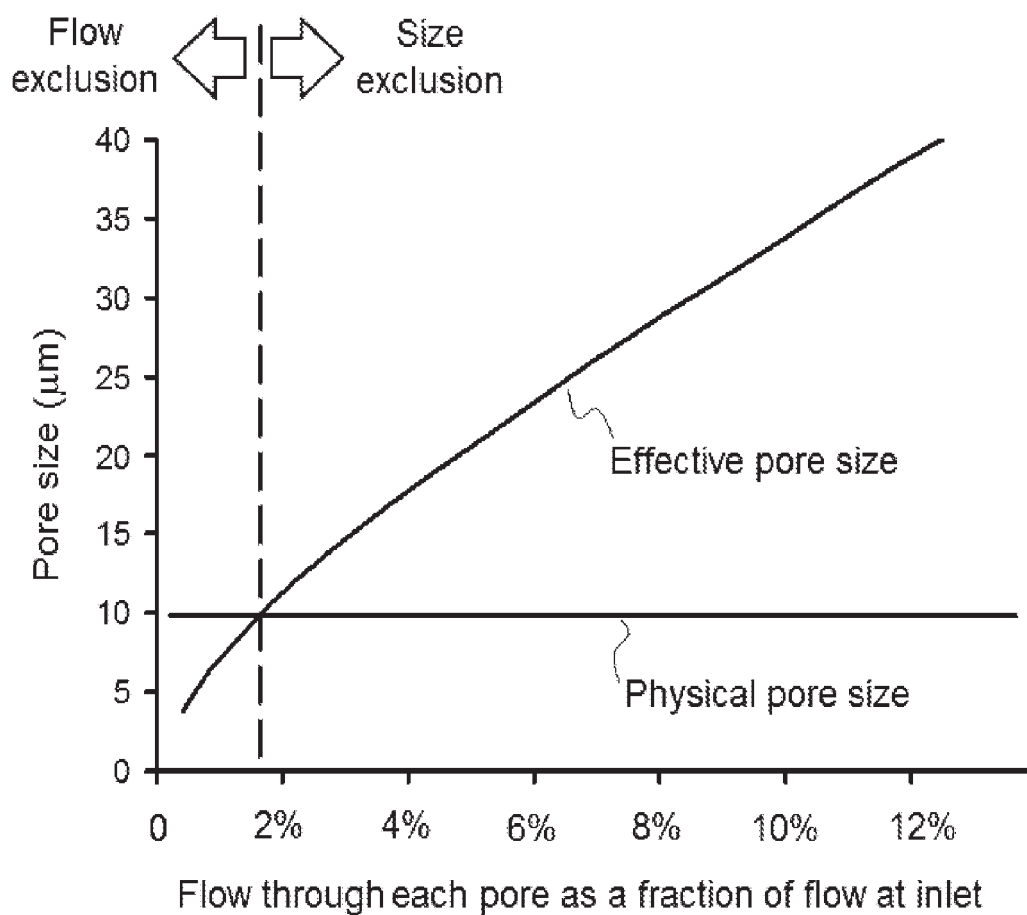
Fig. 4

Fig. 5A

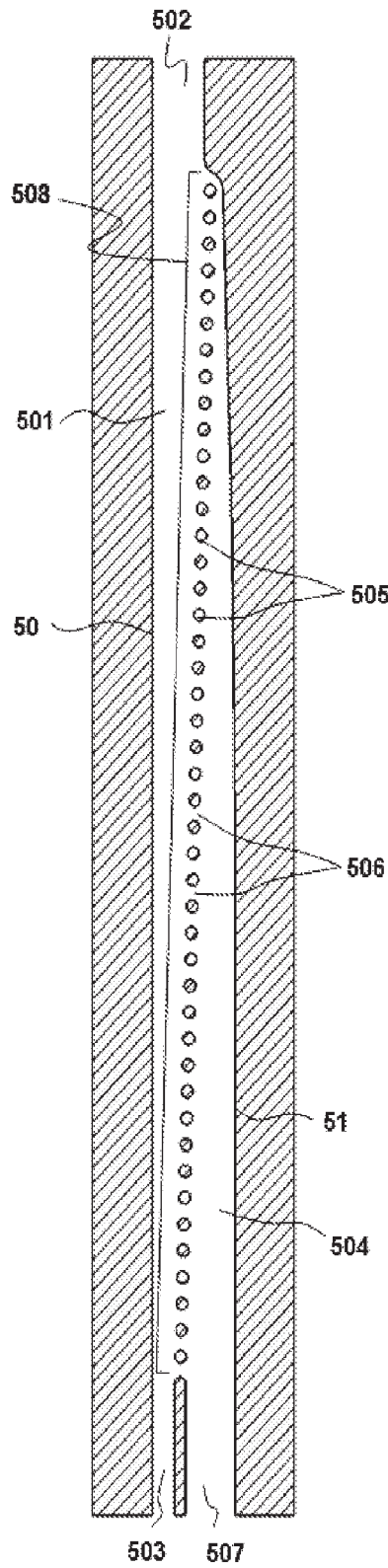


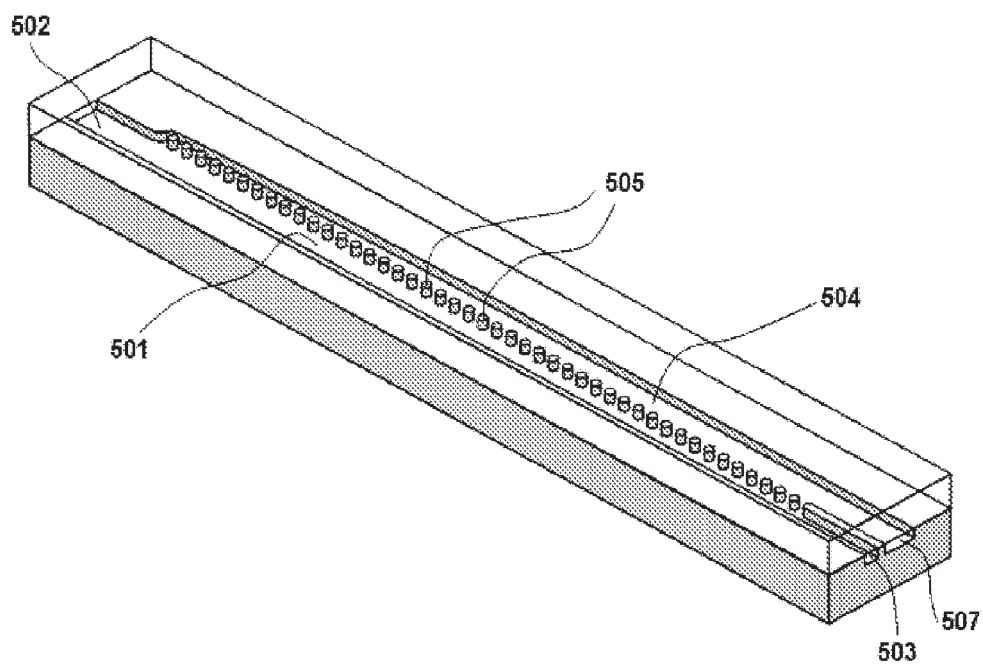
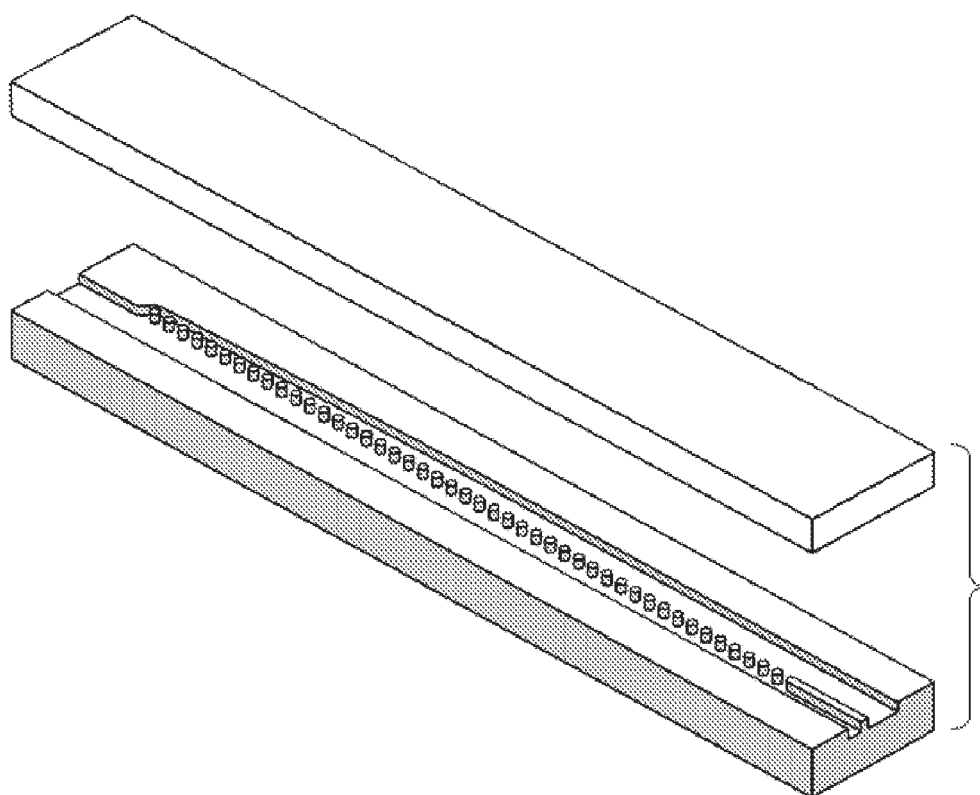
Fig. 5B**Fig. 5C**

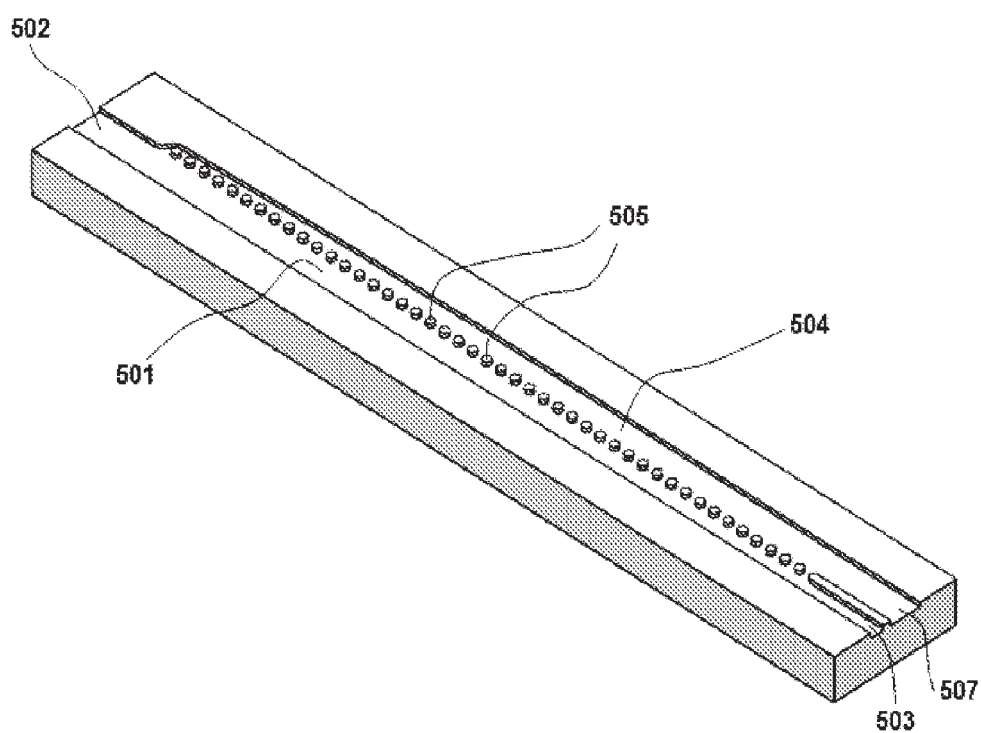
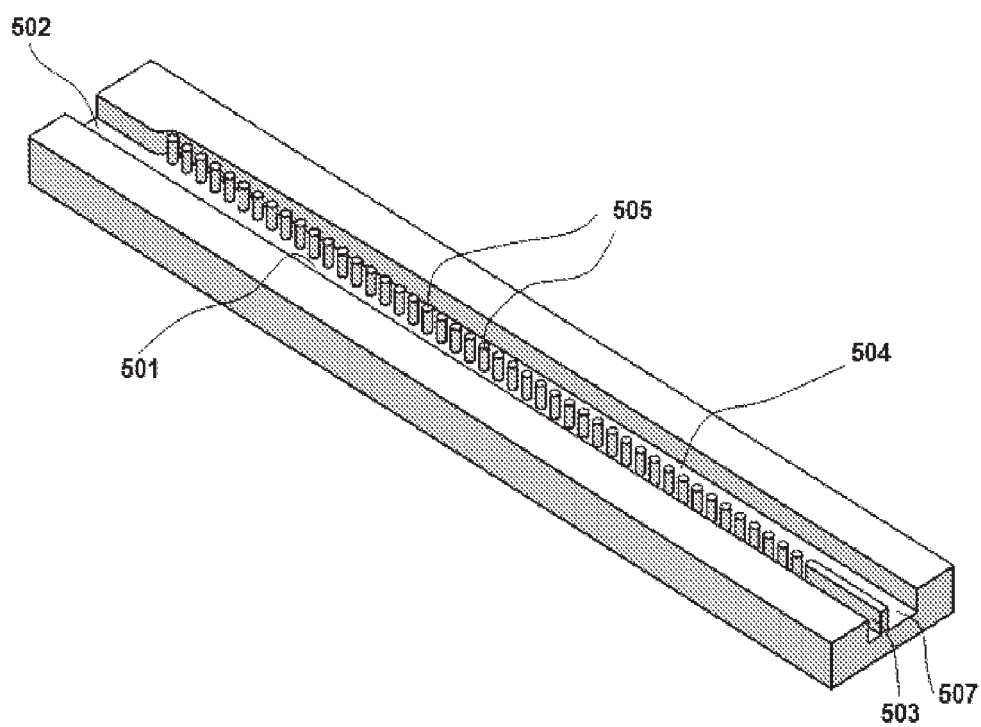
Fig. 5D**Fig. 5E**

Fig. 5F

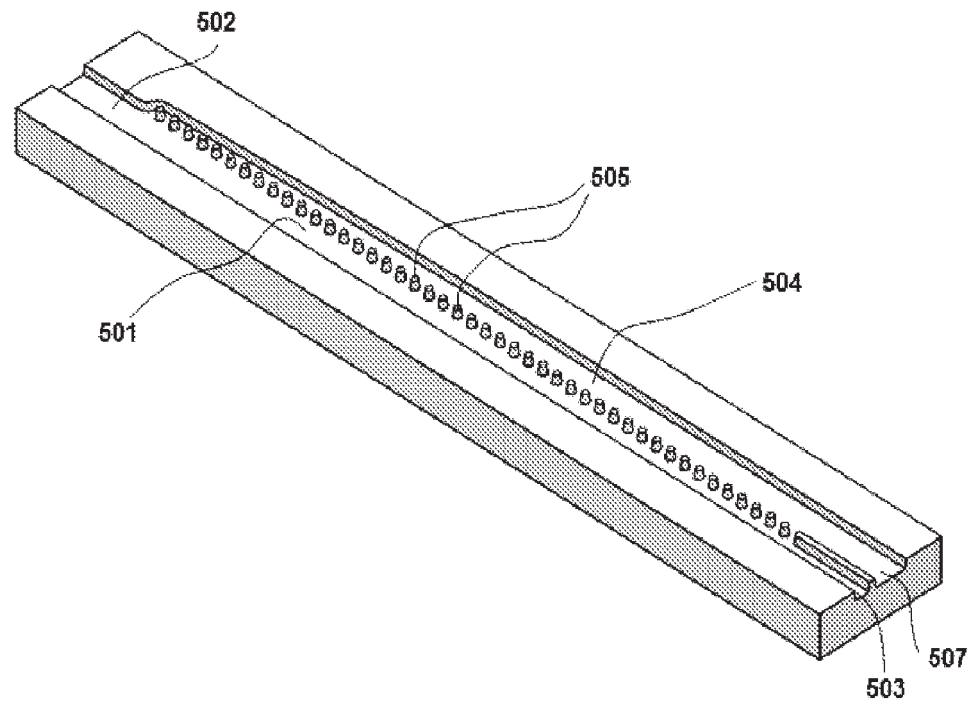


Fig. 6A

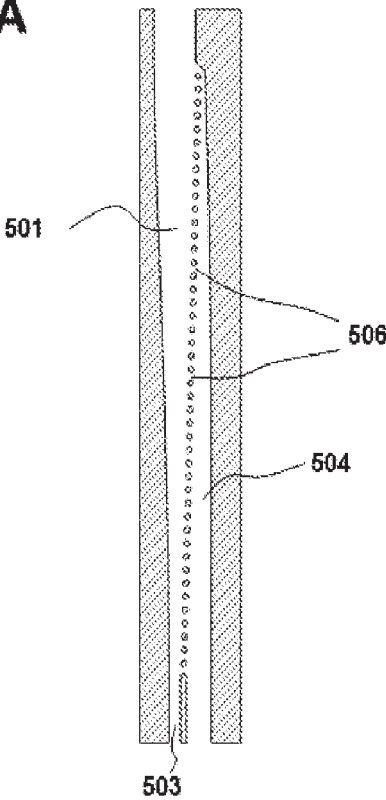


Fig. 6B

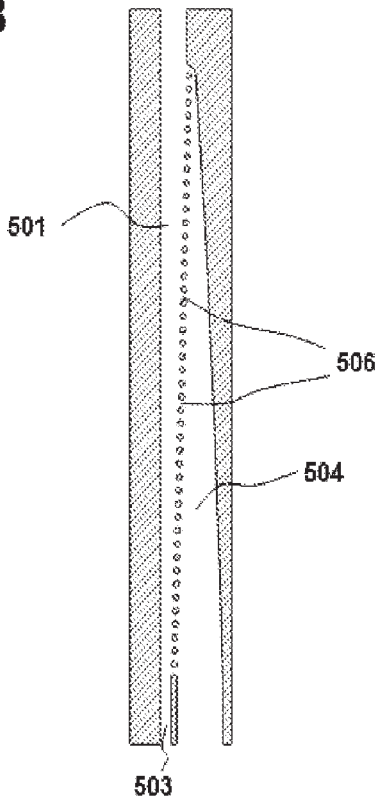


Fig. 7A

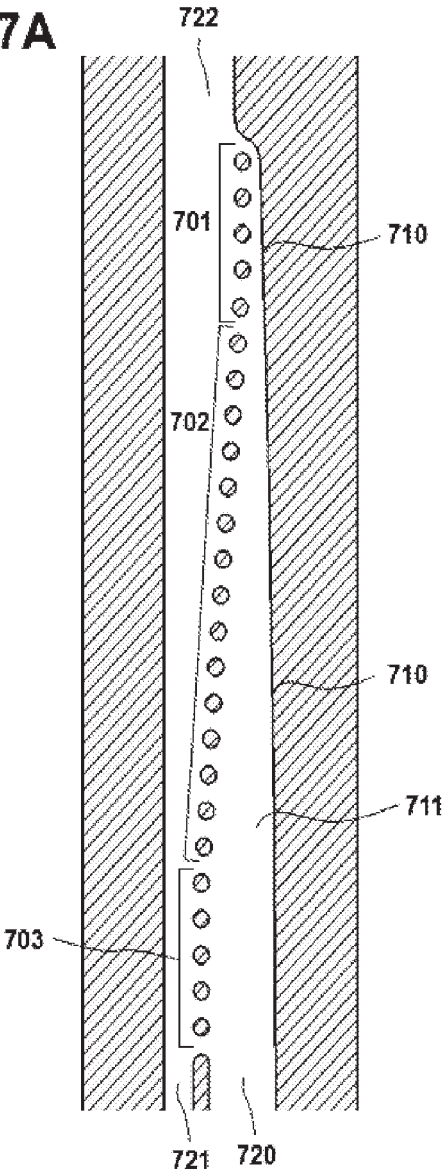


Fig. 7B

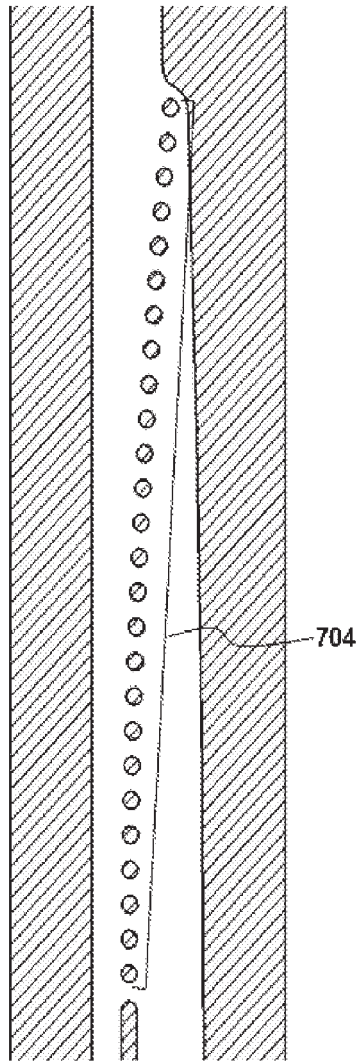


Fig. 7C

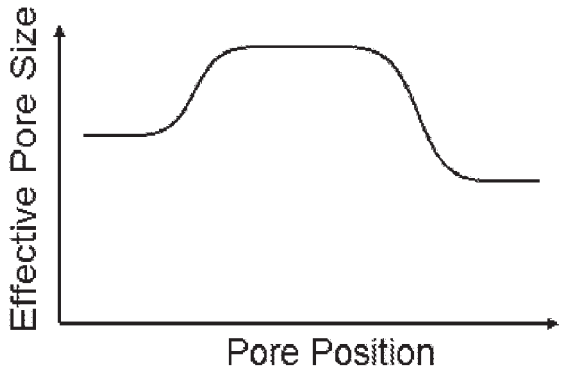


Fig. 7D

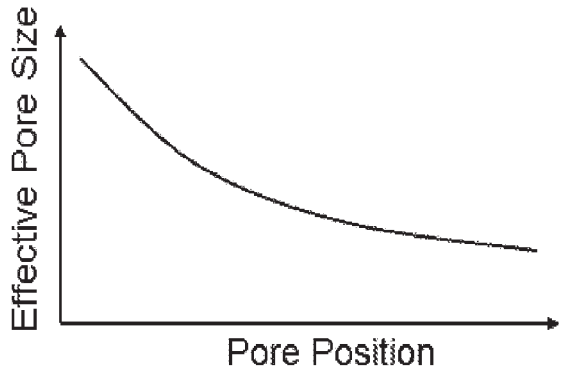


Fig. 8

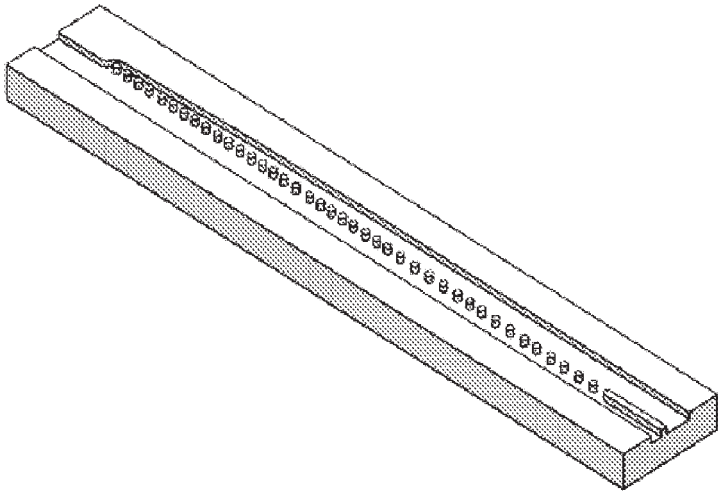


Fig. 9A

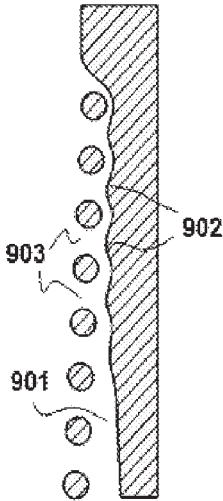


Fig. 9B

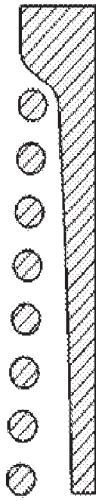


Fig. 9C

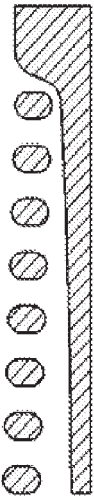


Fig. 9D

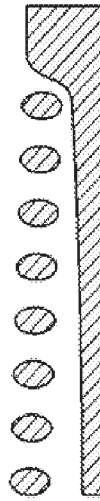


Fig. 9E

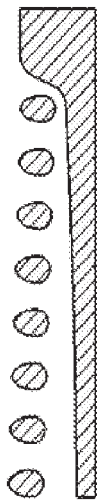


Fig. 9F

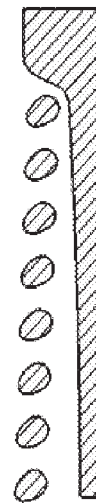


Fig. 9G



Fig. 9H

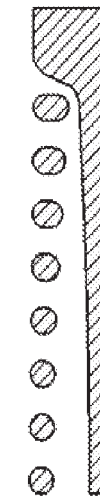


Fig. 10A

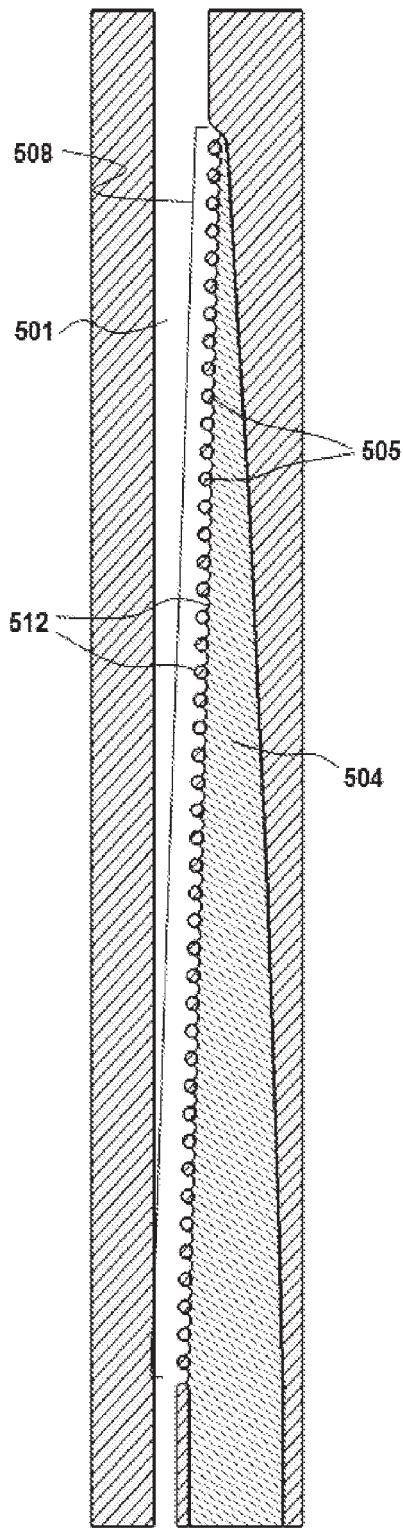


Fig. 10B

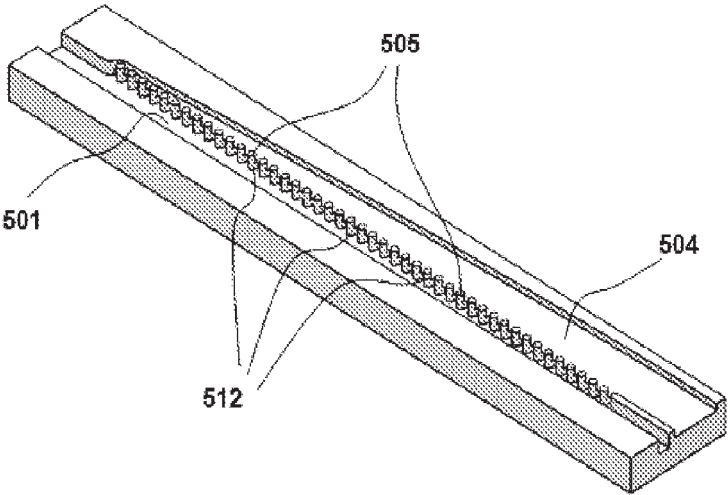


Fig. 10C

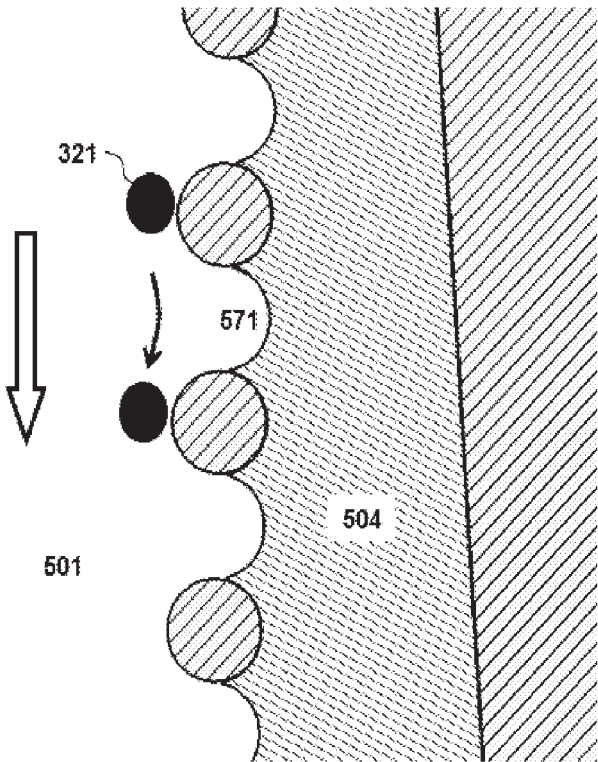


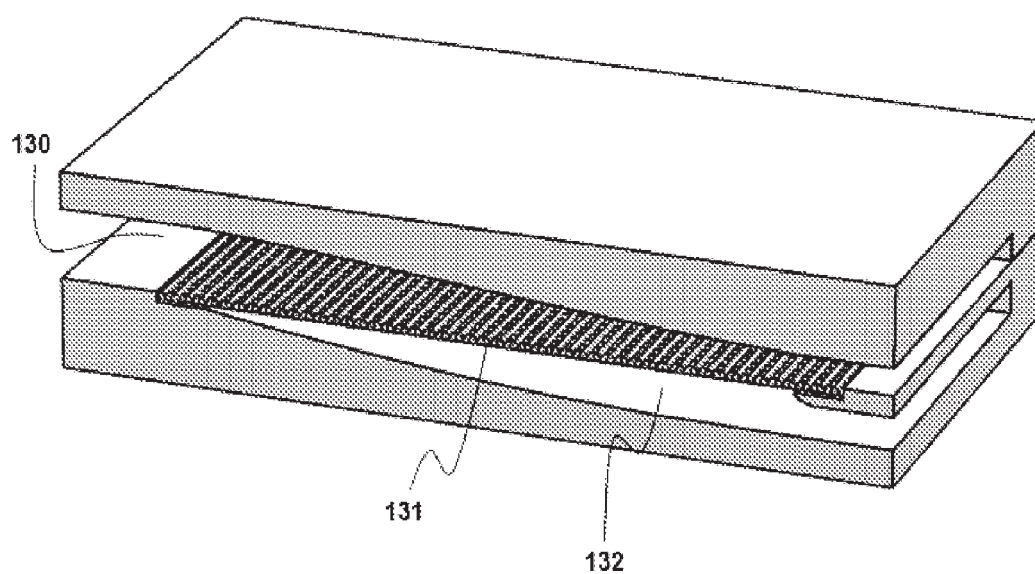
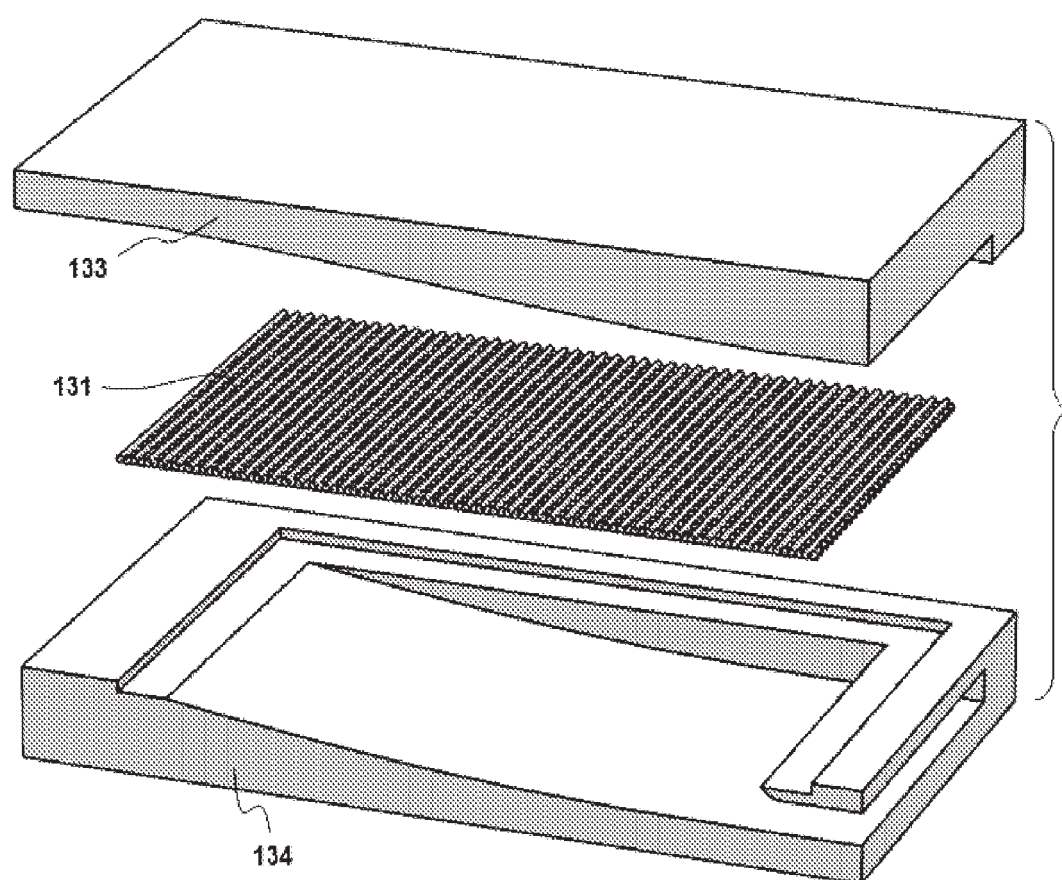
Fig. 11A**Fig. 11B**

Fig. 11C

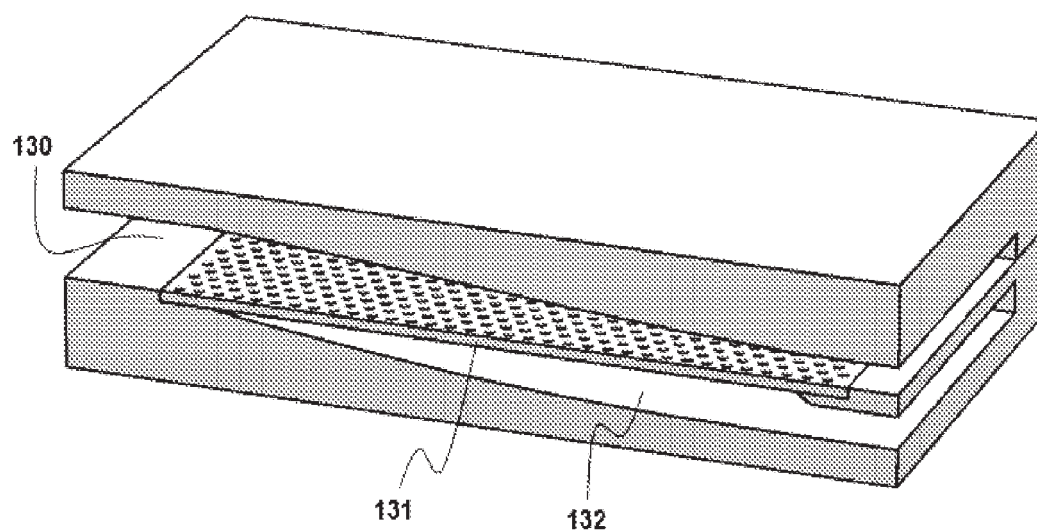


Fig. 11D

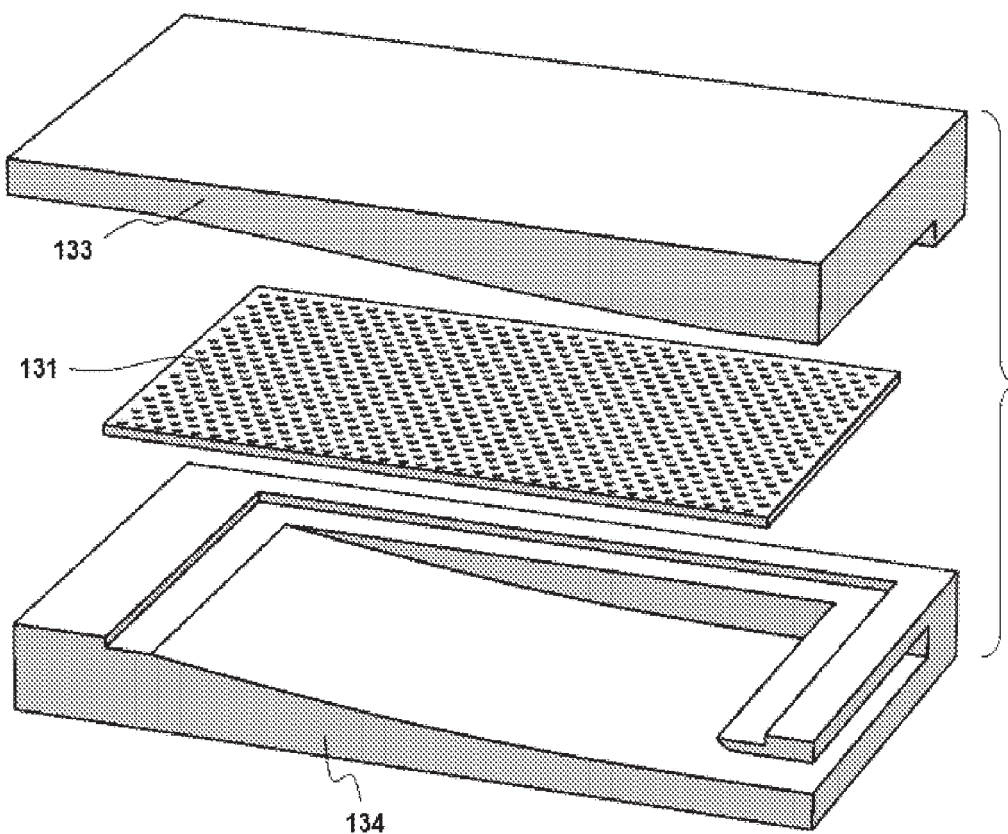


Fig. 12

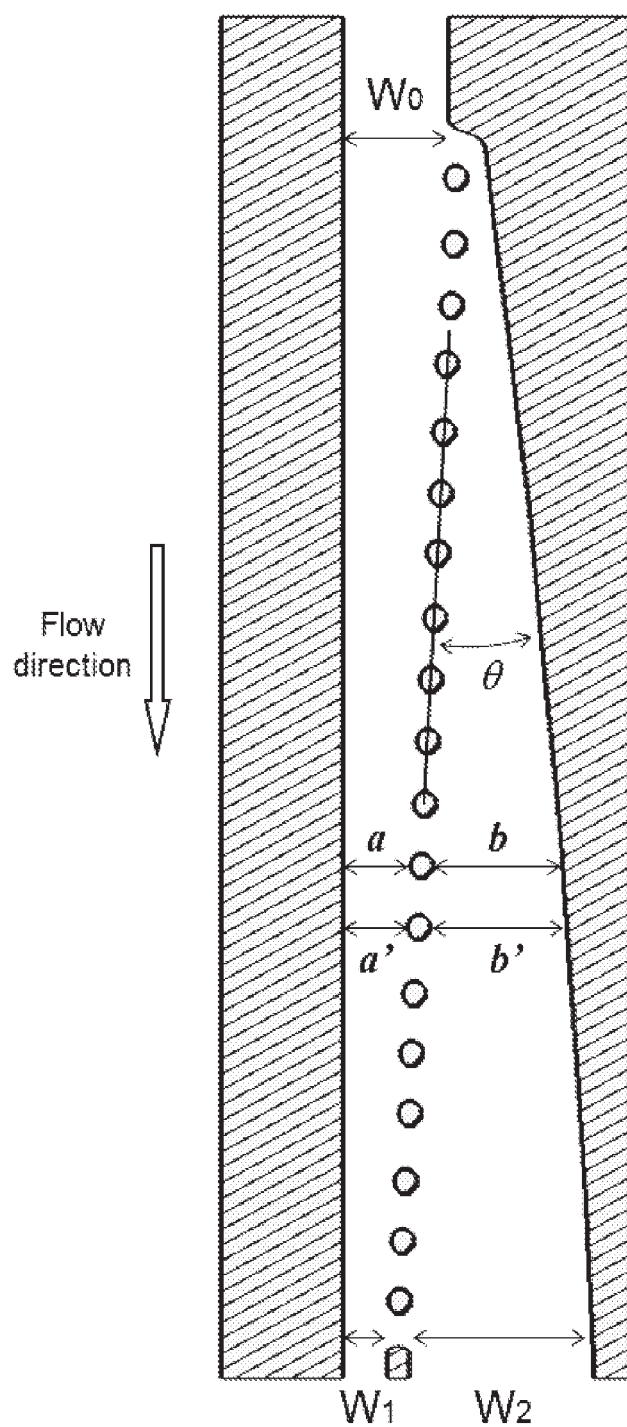


Fig. 13

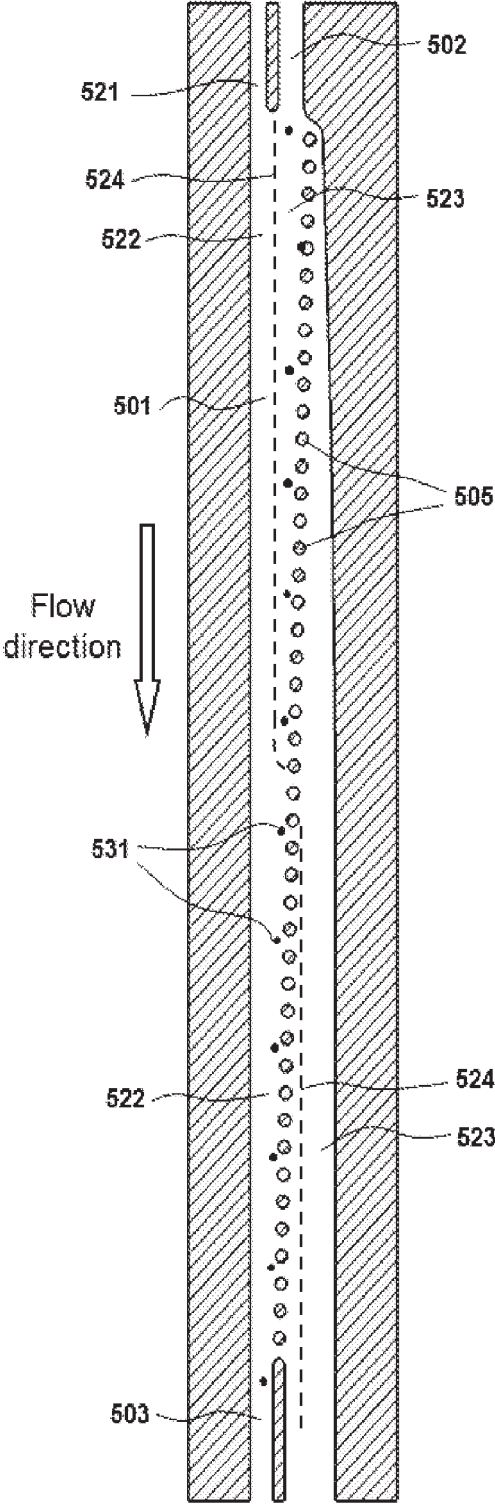


Fig. 14A

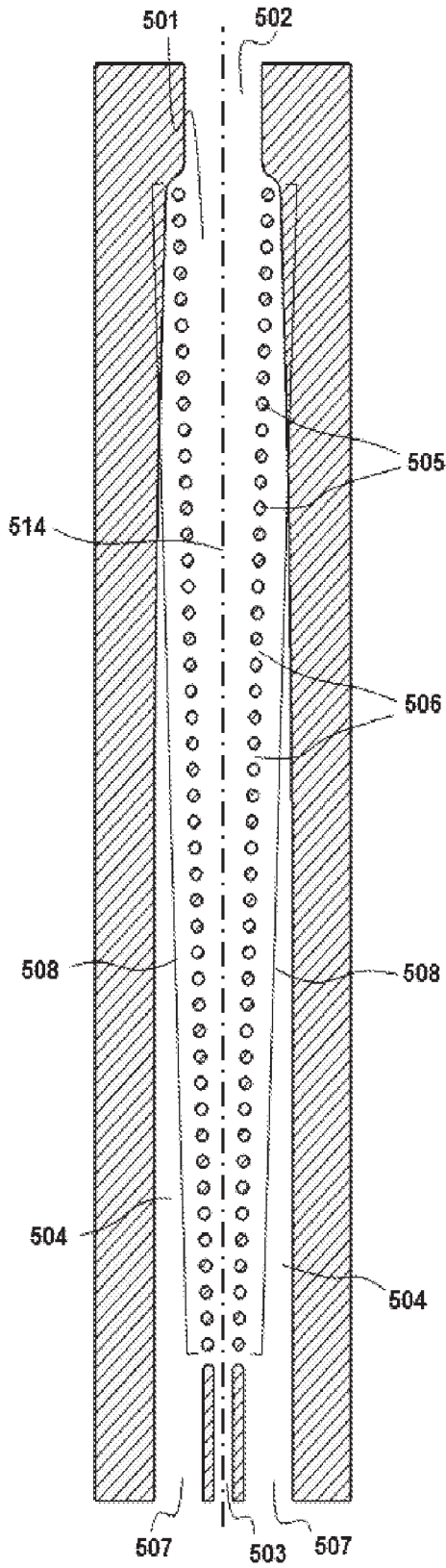


Fig. 14B

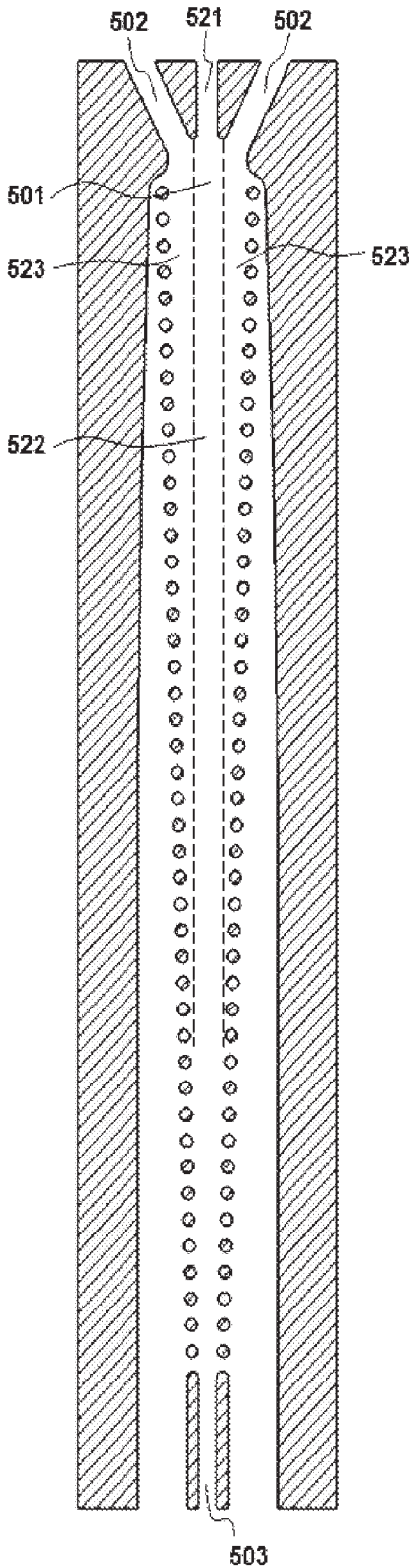


Fig. 15A

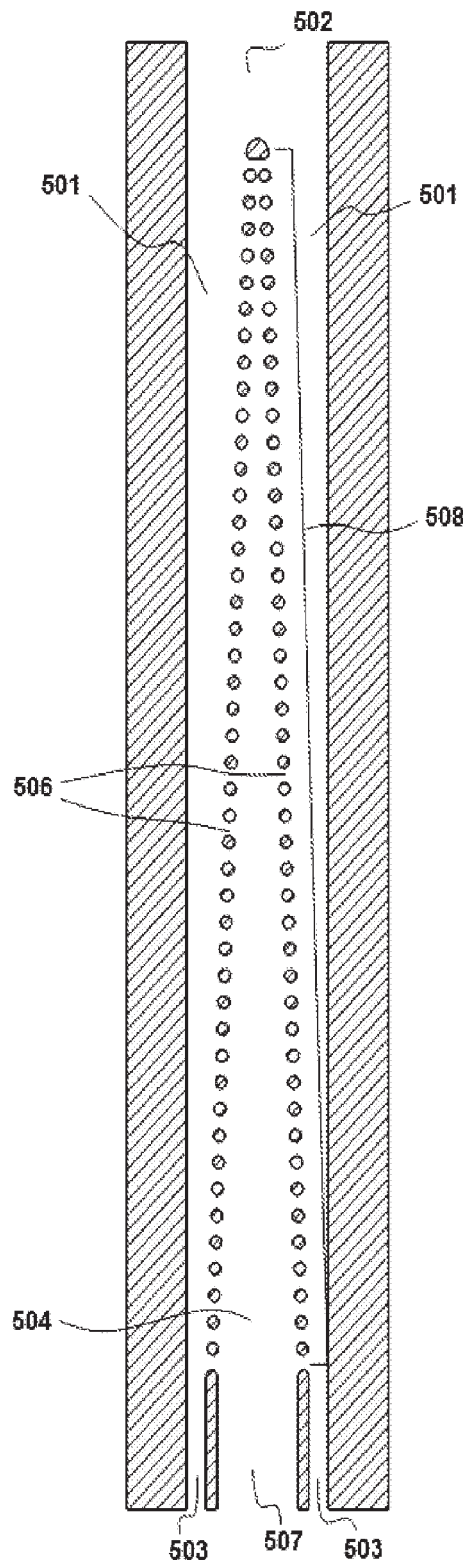


Fig. 15B

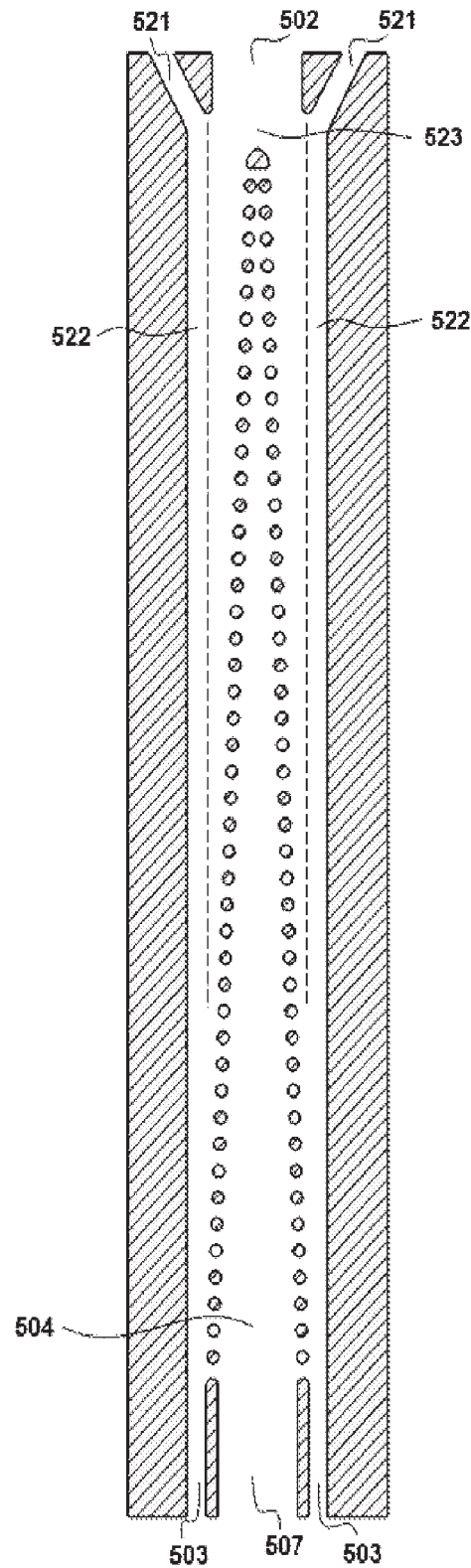


Fig. 16A

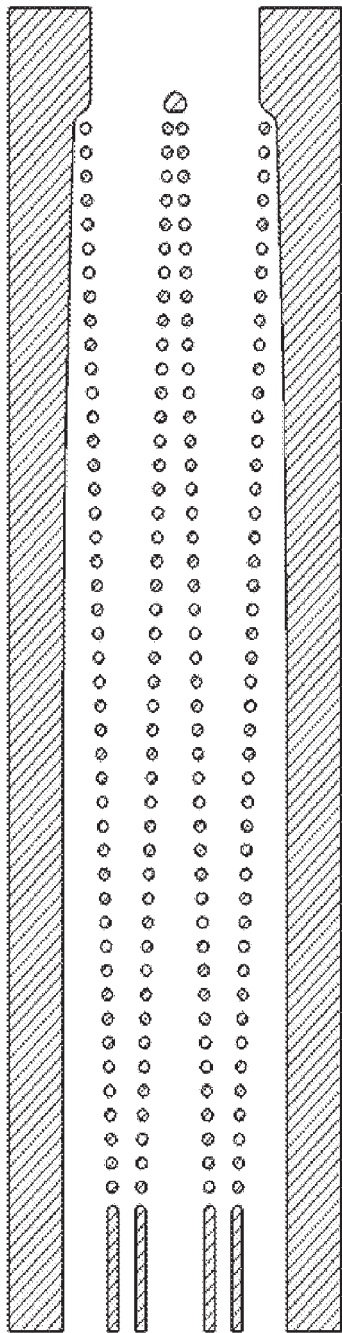


Fig. 16B

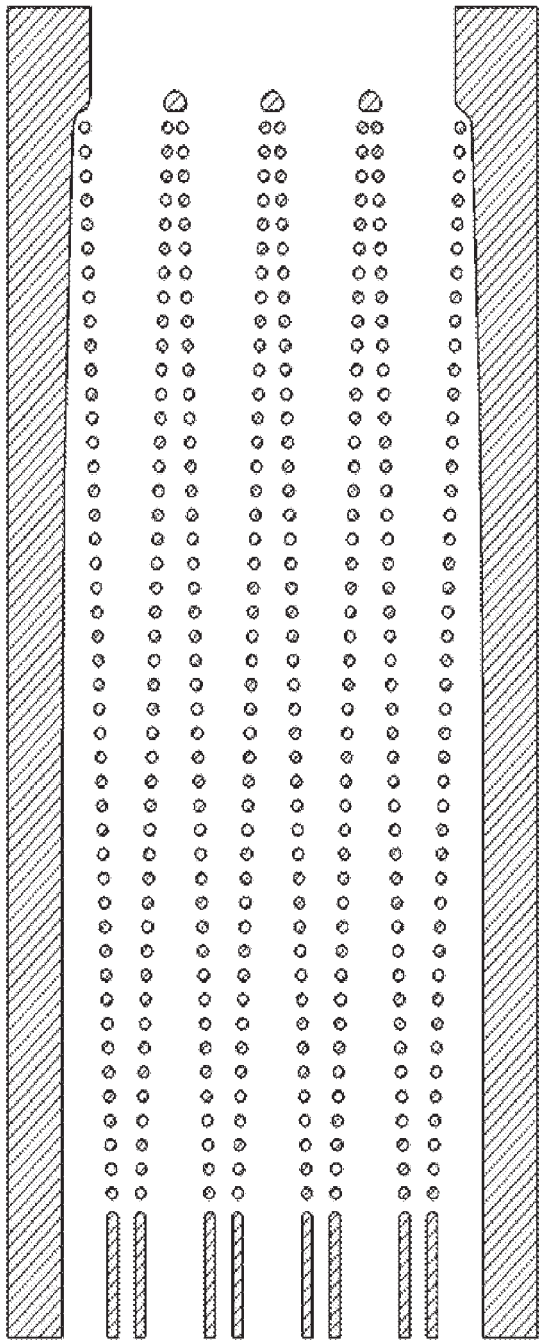


Fig. 17A

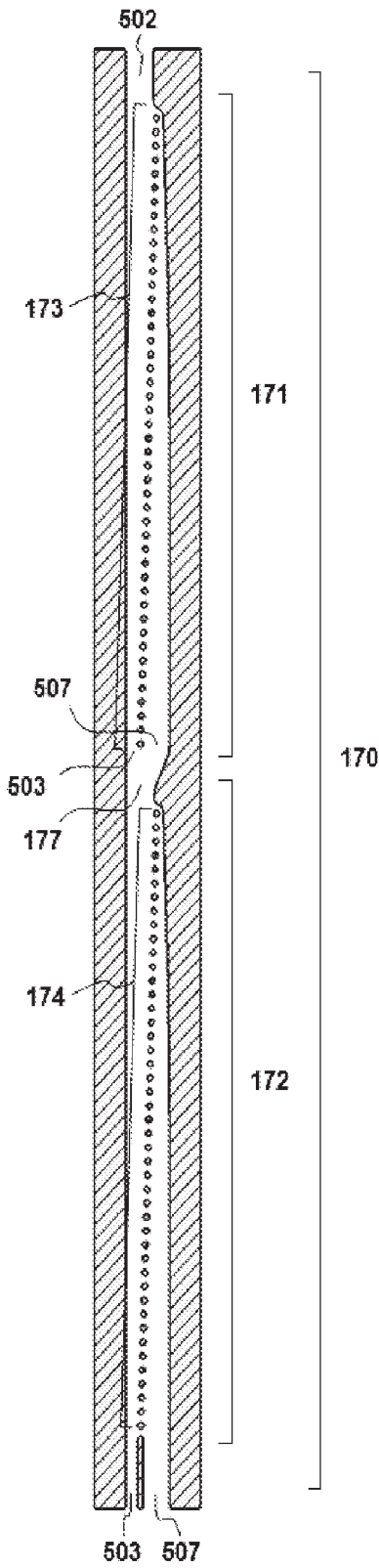


Fig. 17B

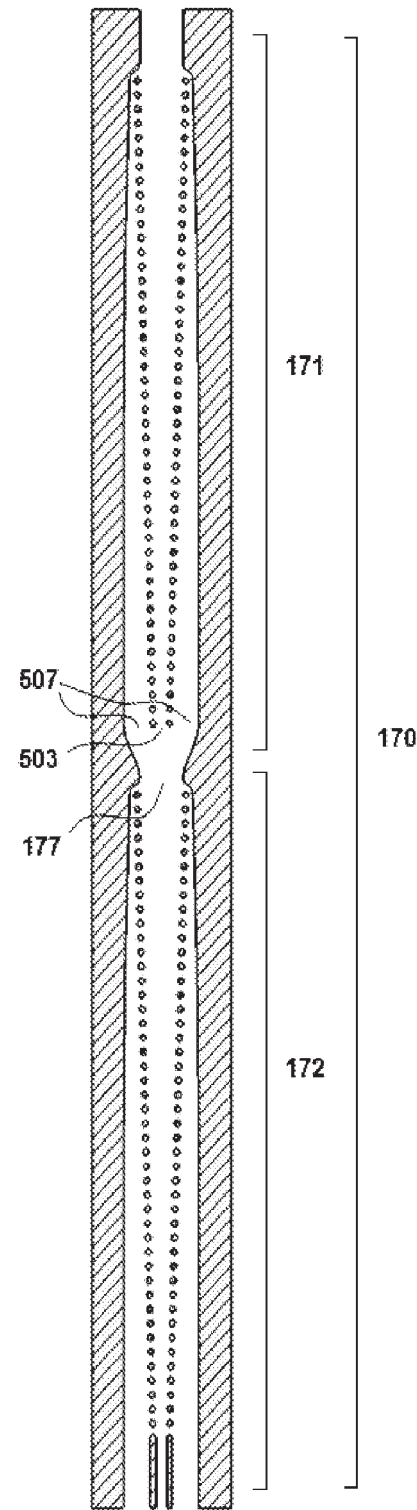


Fig. 17C

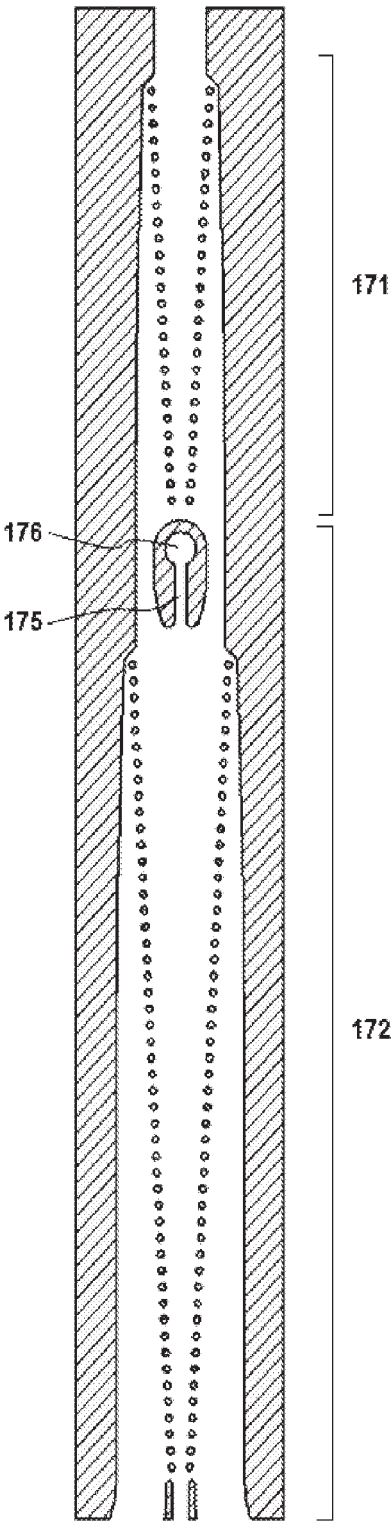


Fig. 17D

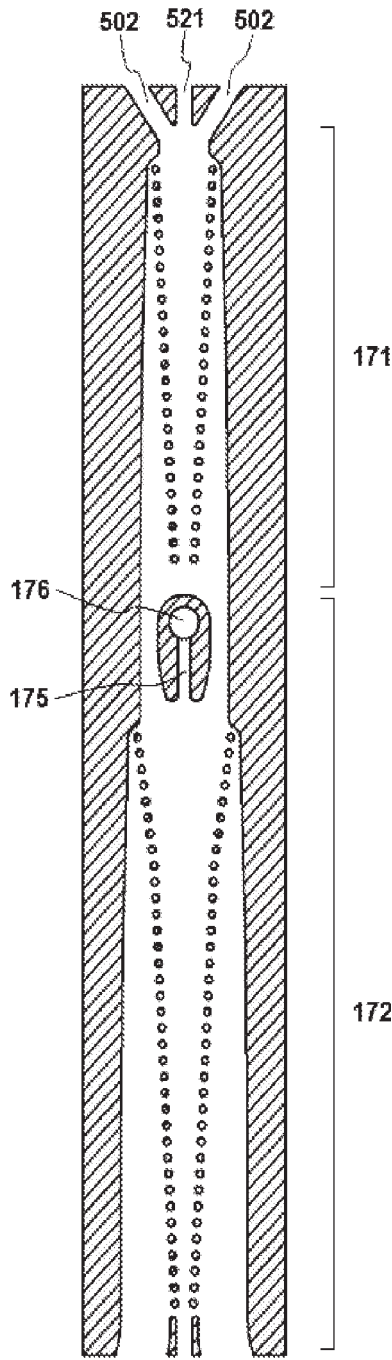


Fig. 18A

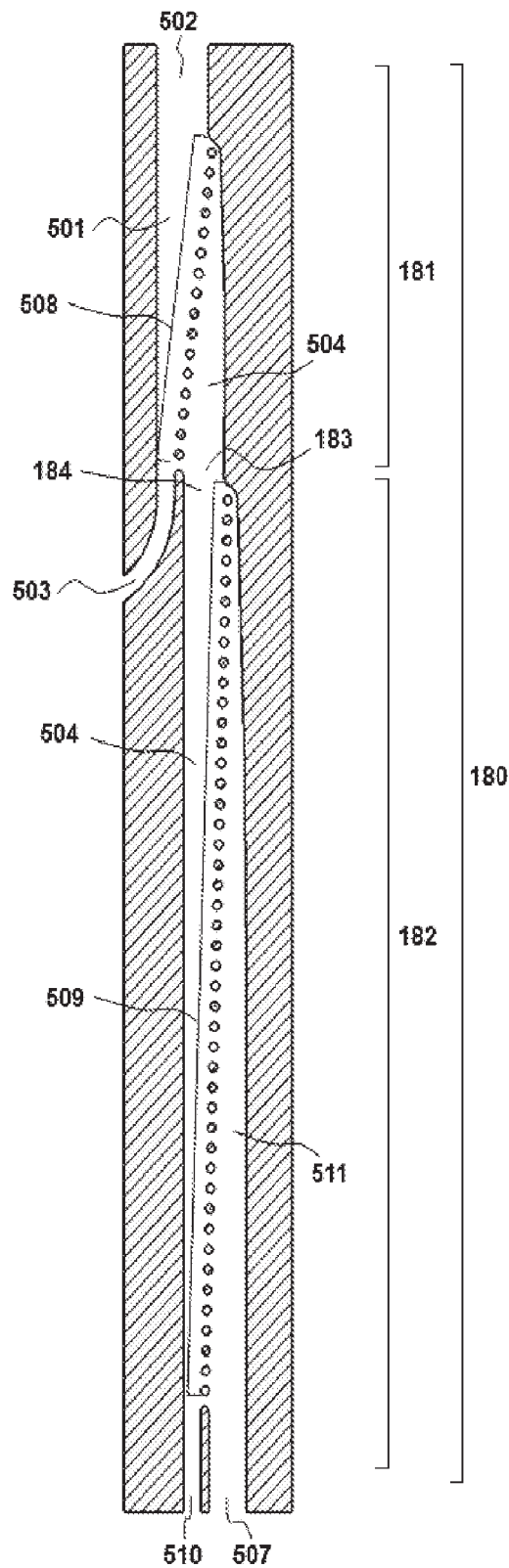


Fig. 18B

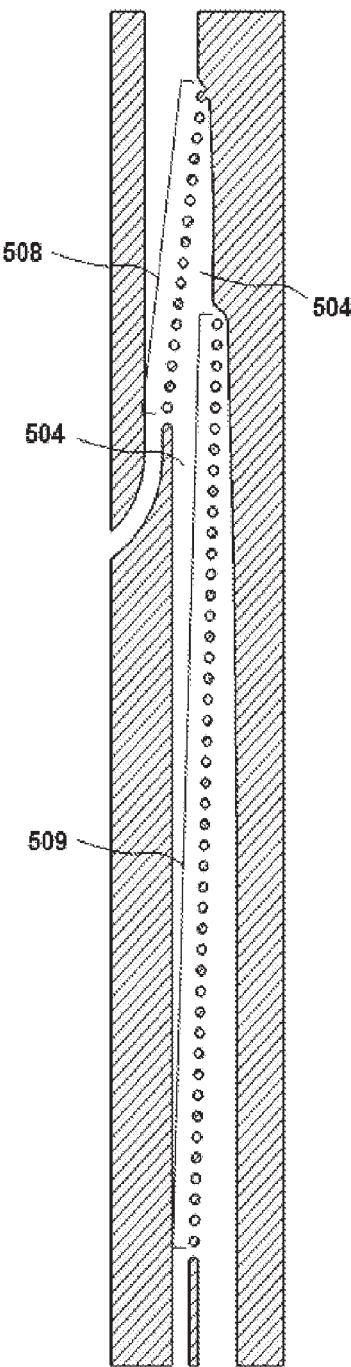


Fig. 18C

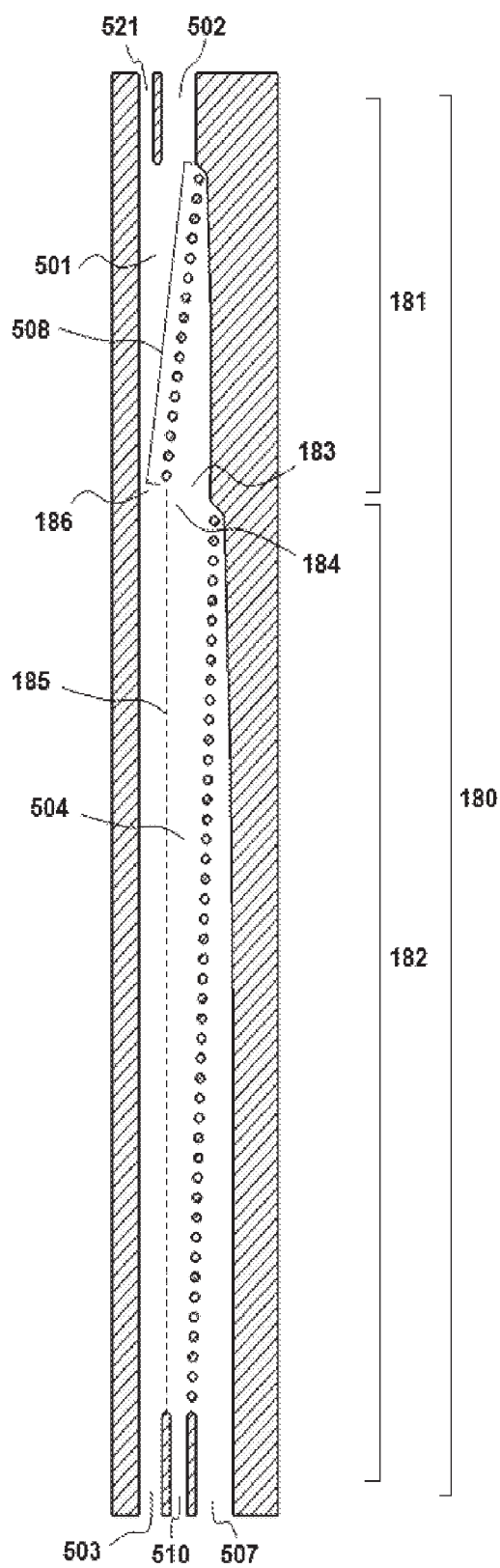


Fig. 18D

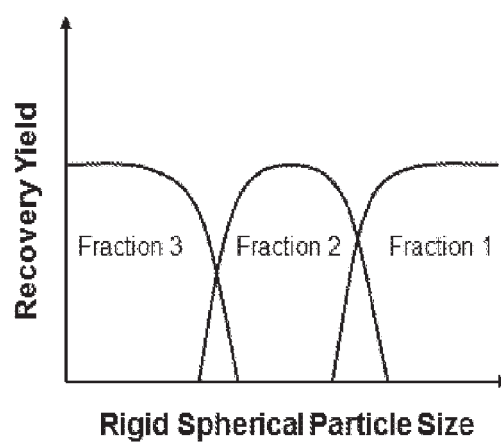


Fig. 19A

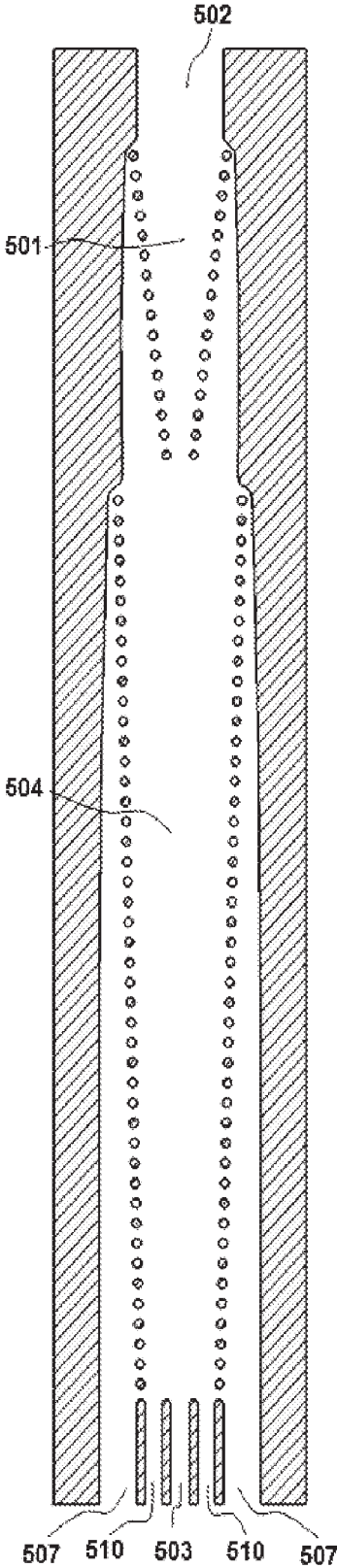


Fig. 19B

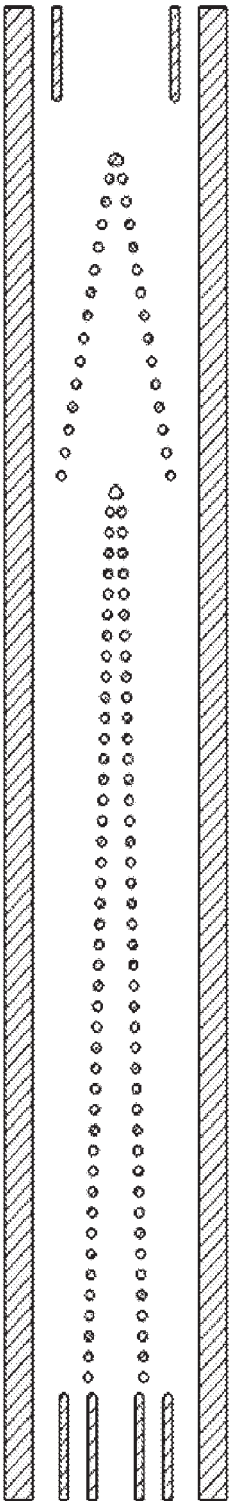


Fig. 20A

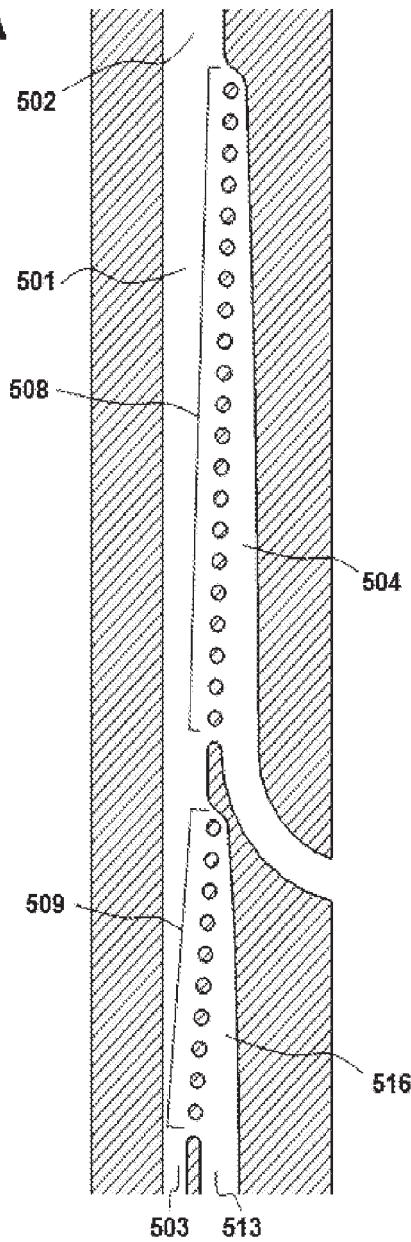


Fig. 20B

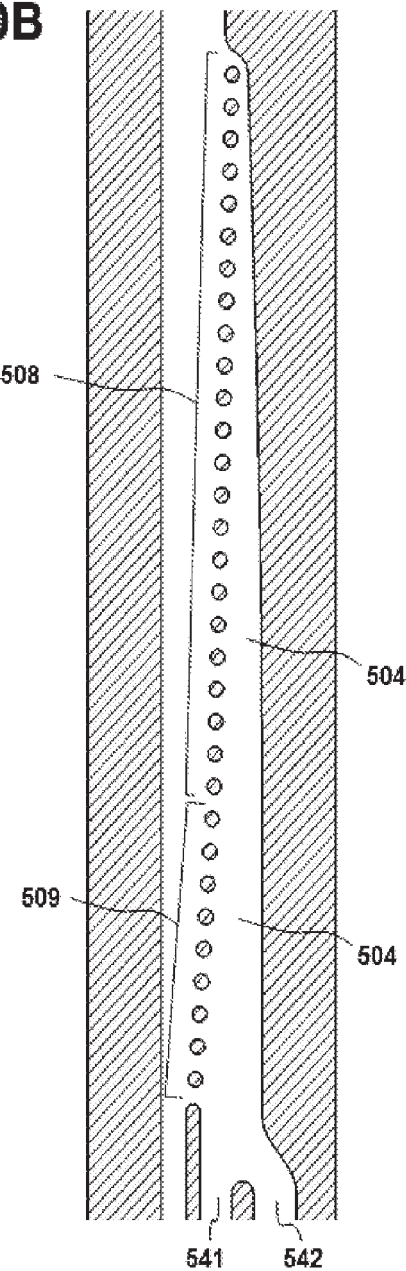


Fig. 20C

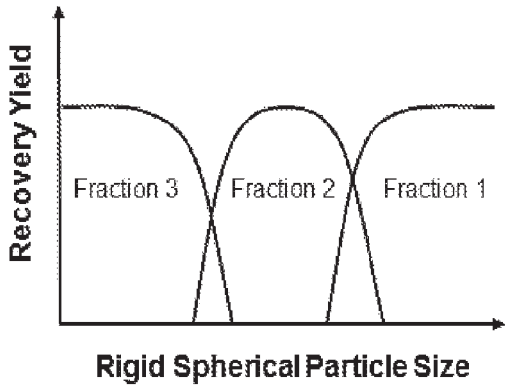


Fig. 21A

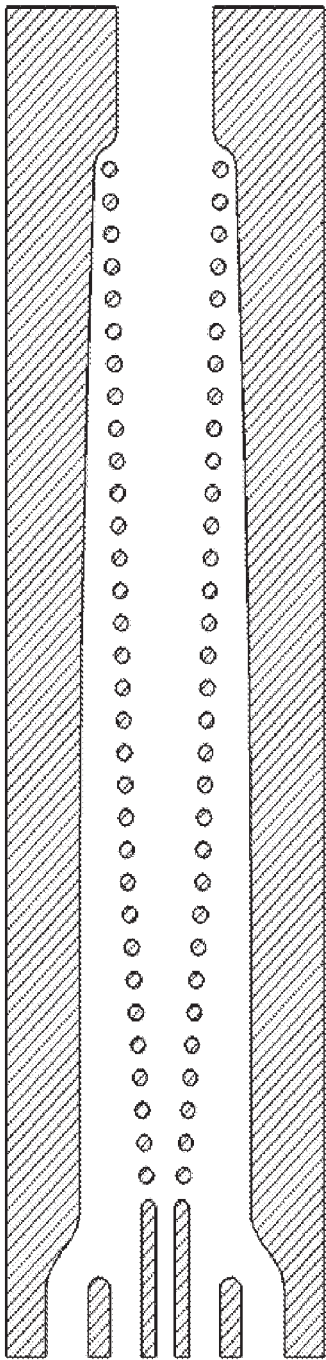


Fig. 21B

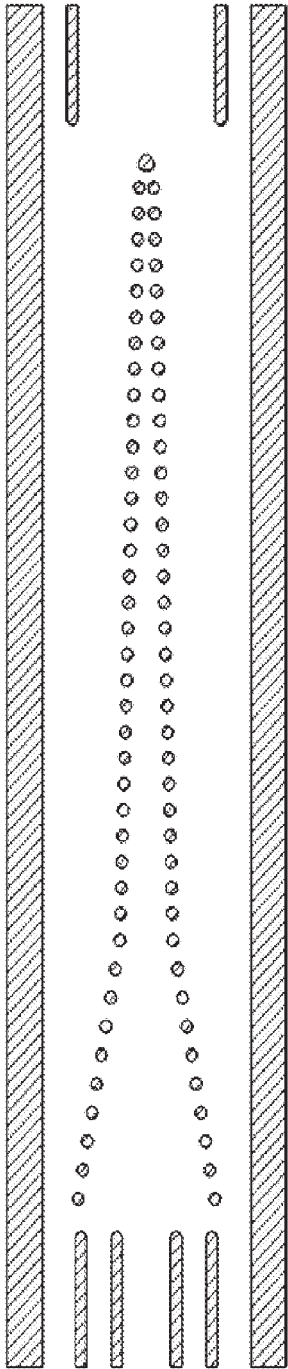


Fig. 22A

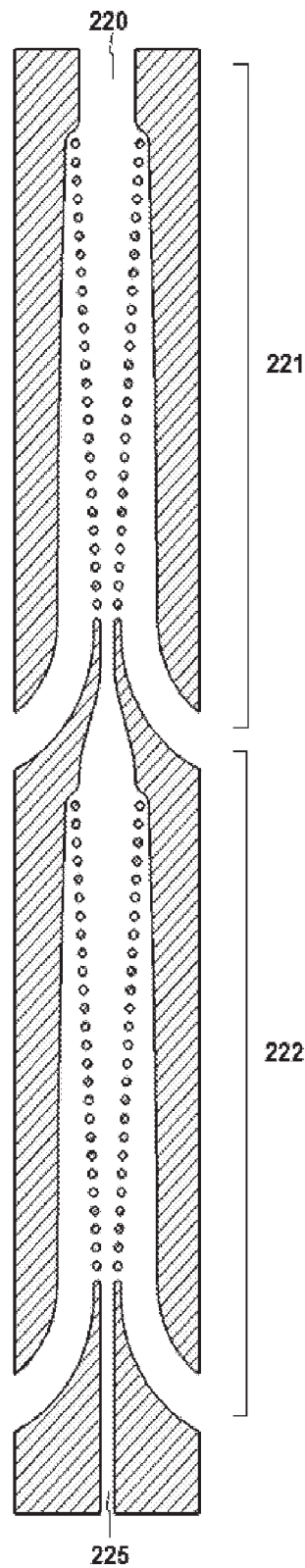


Fig. 22B

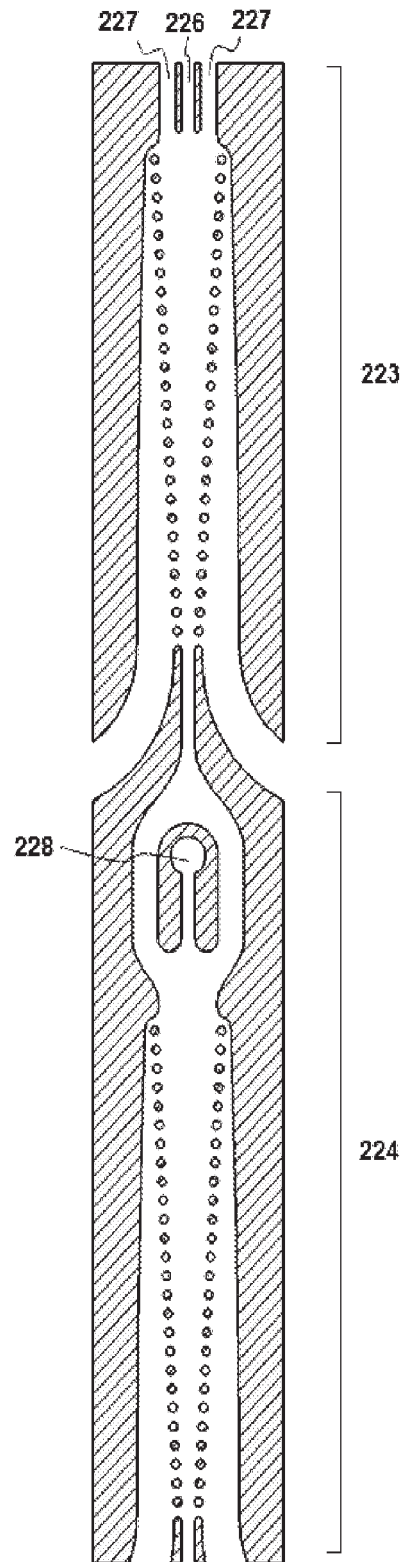


Fig. 23A

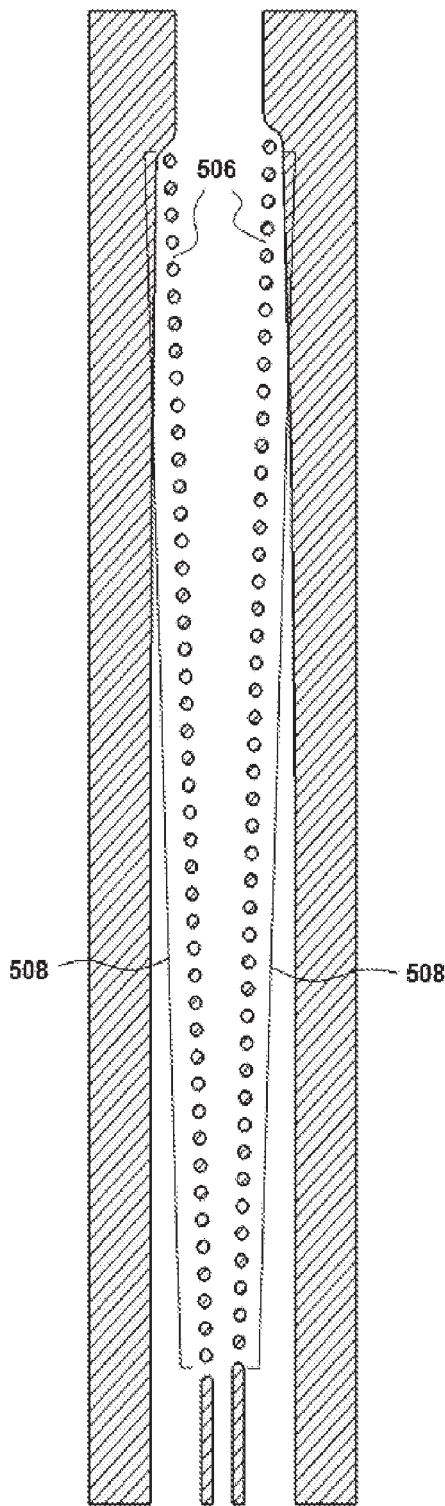


Fig. 23B

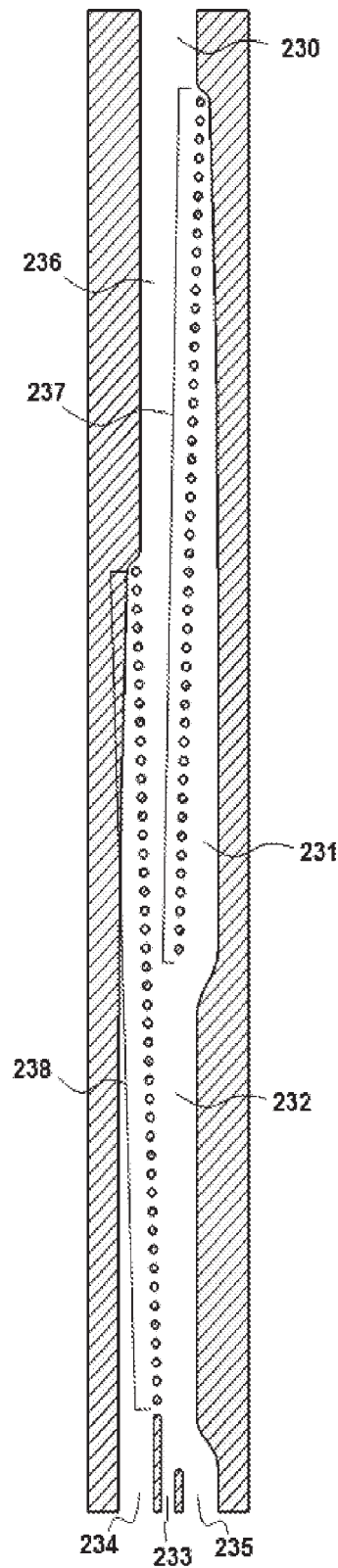


Fig. 23C

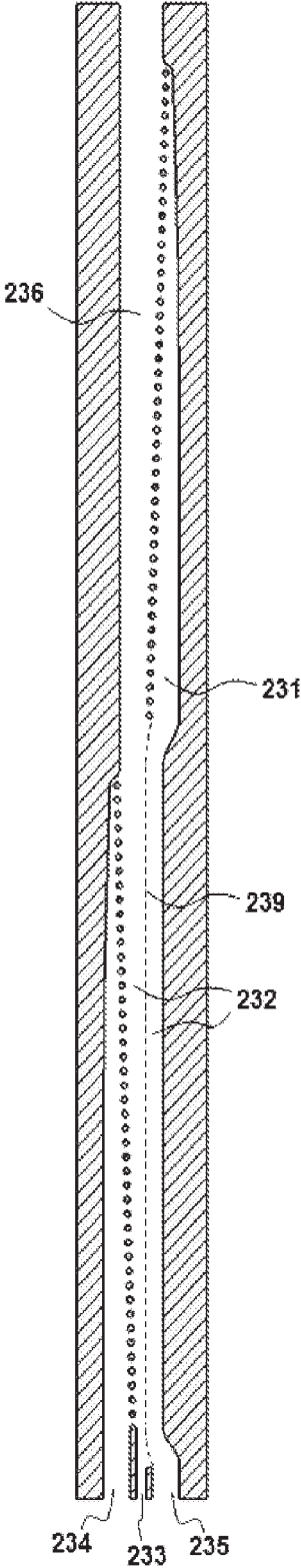


Fig. 23D

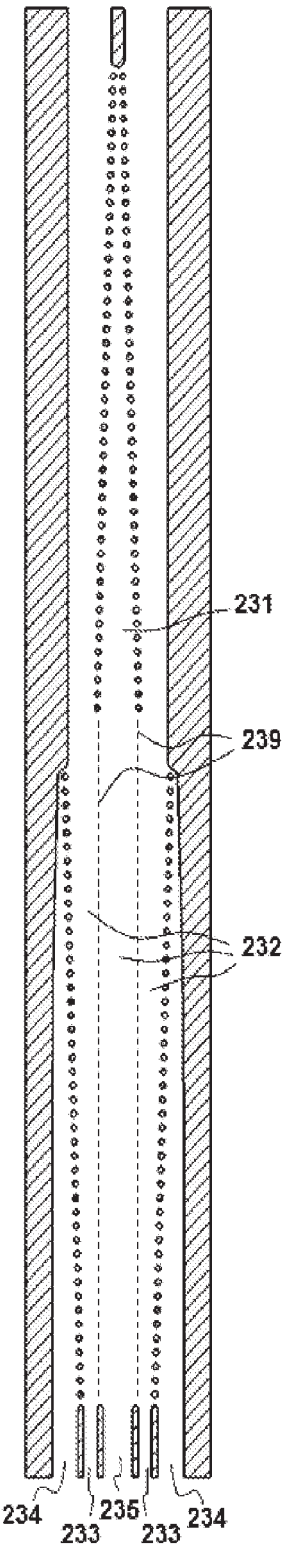


Fig. 23E

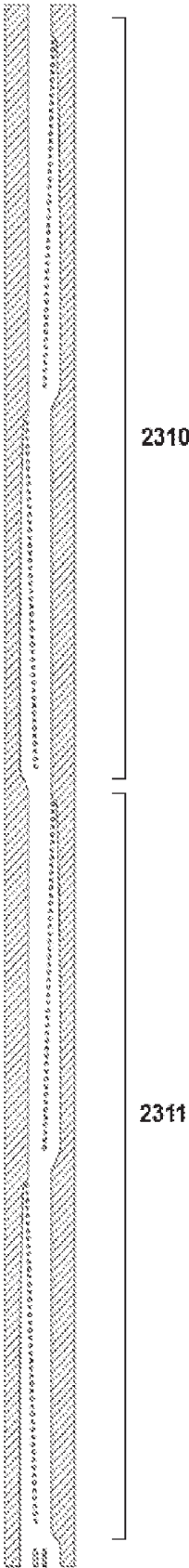


Fig. 24A

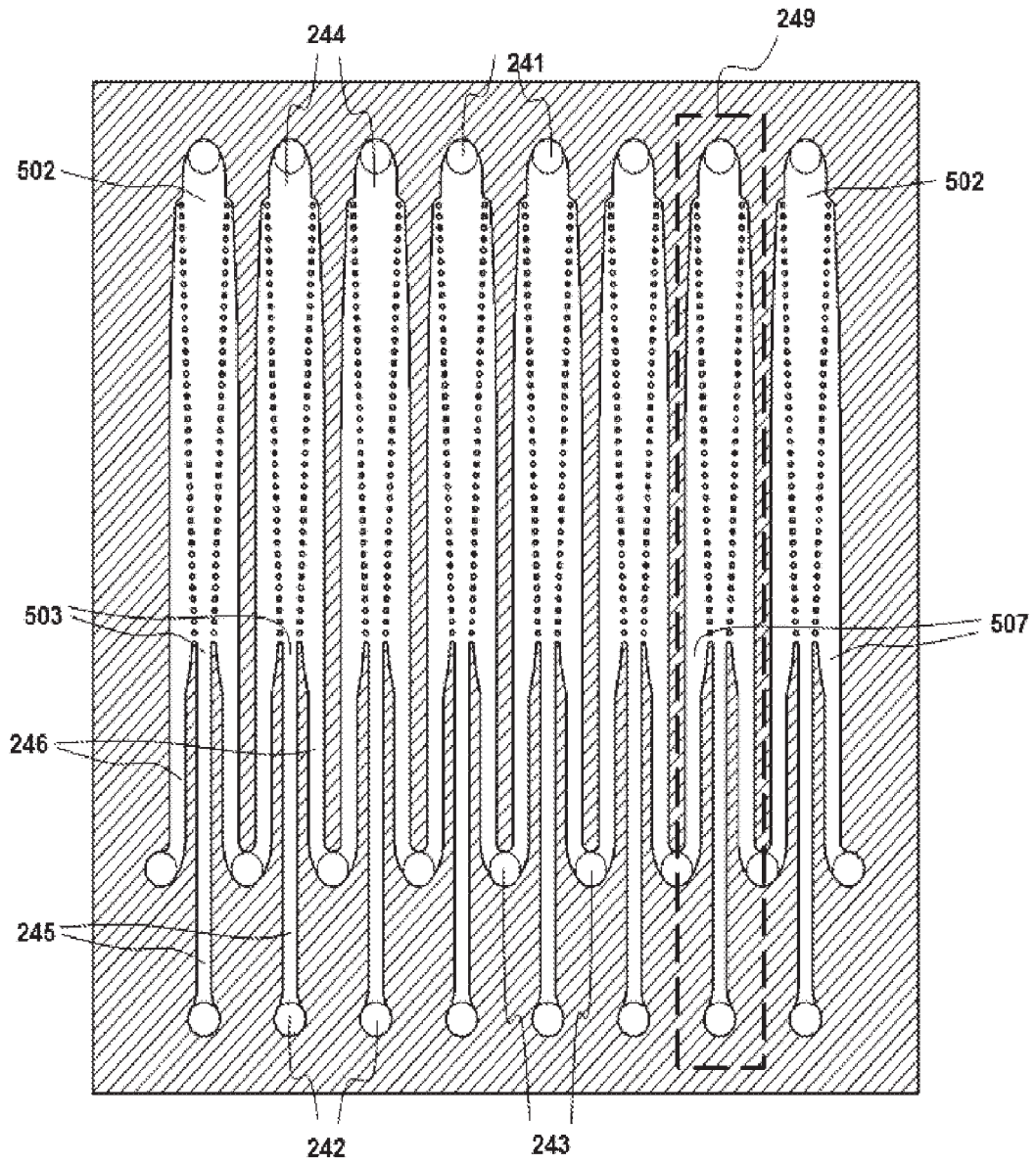


Fig. 24B

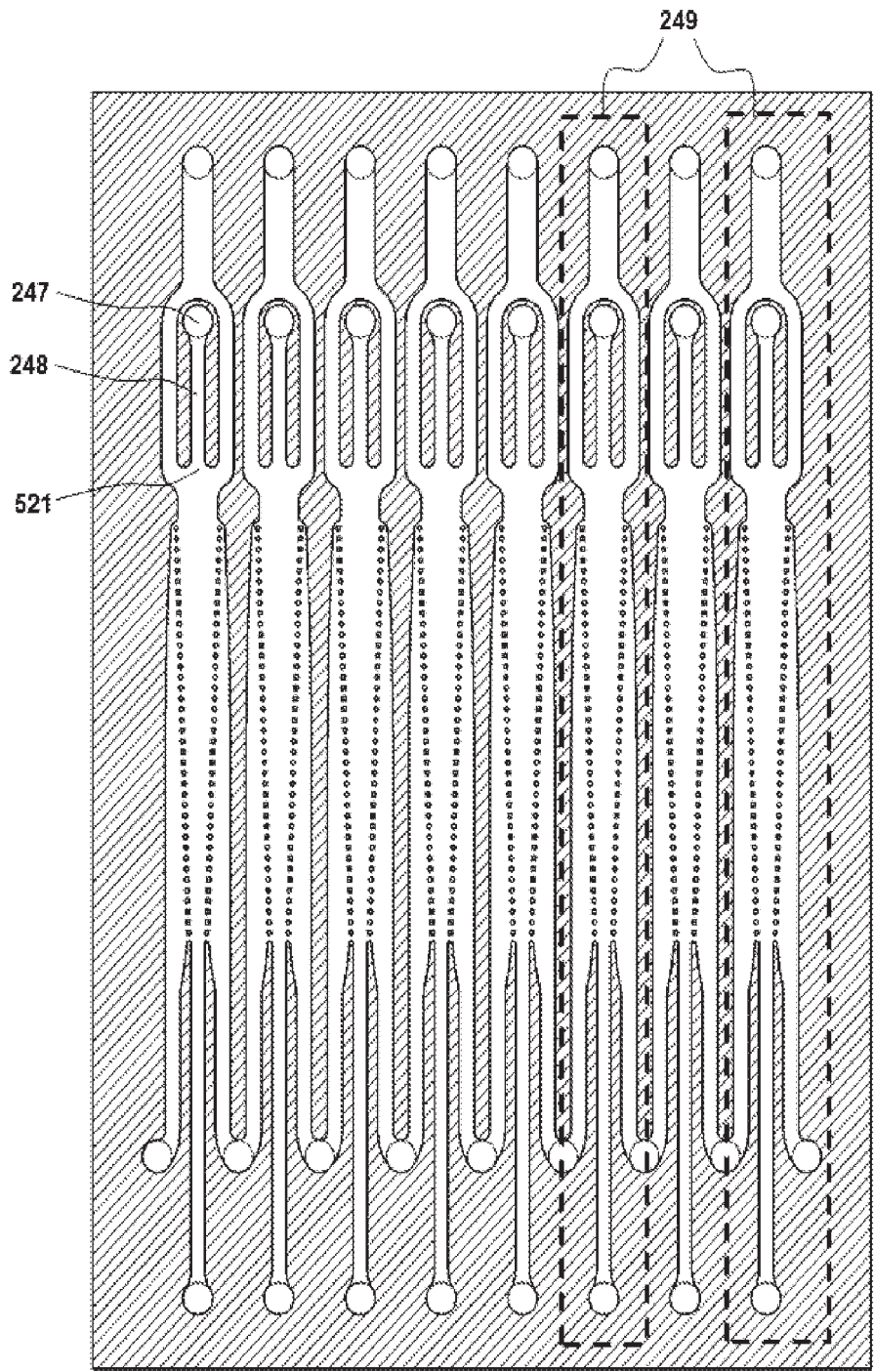


Fig. 24C

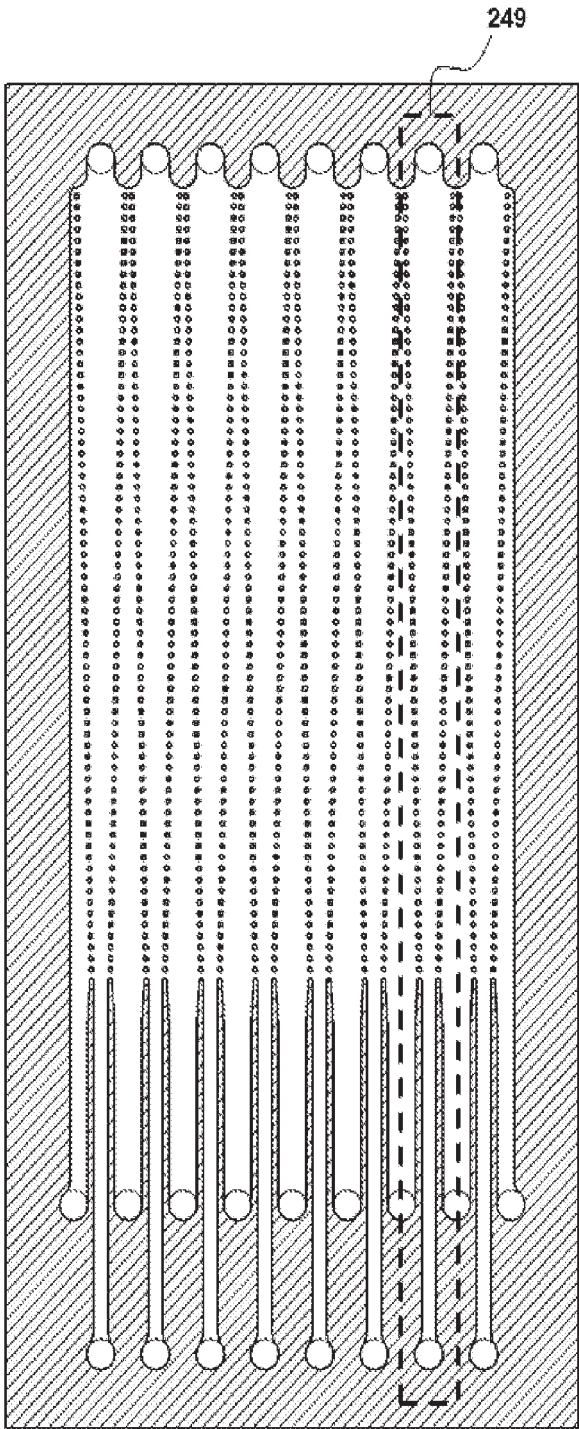


Fig. 24D

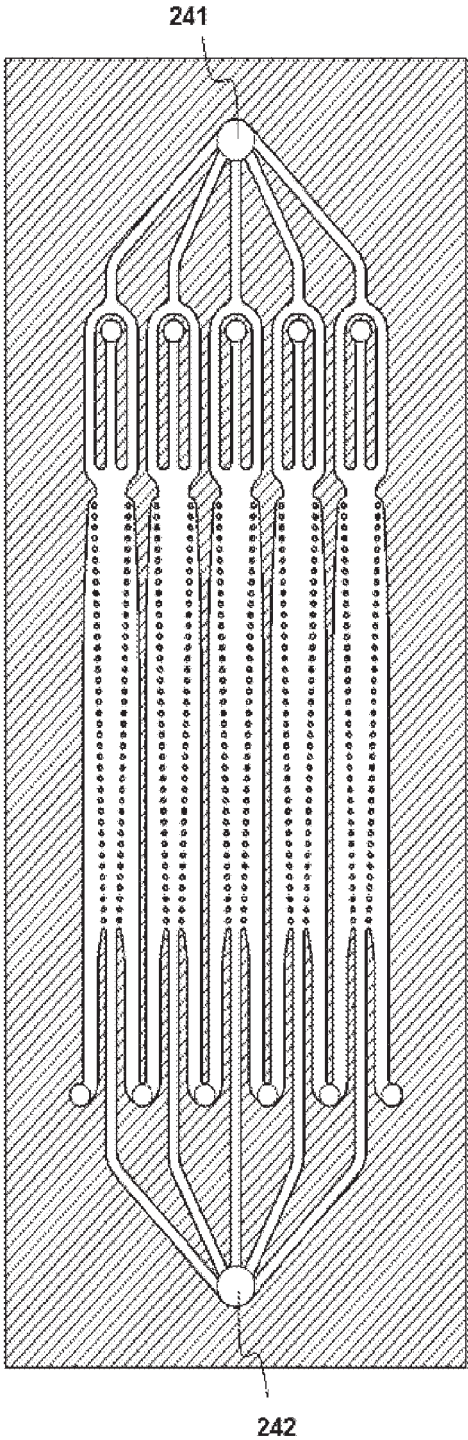


Fig. 24E

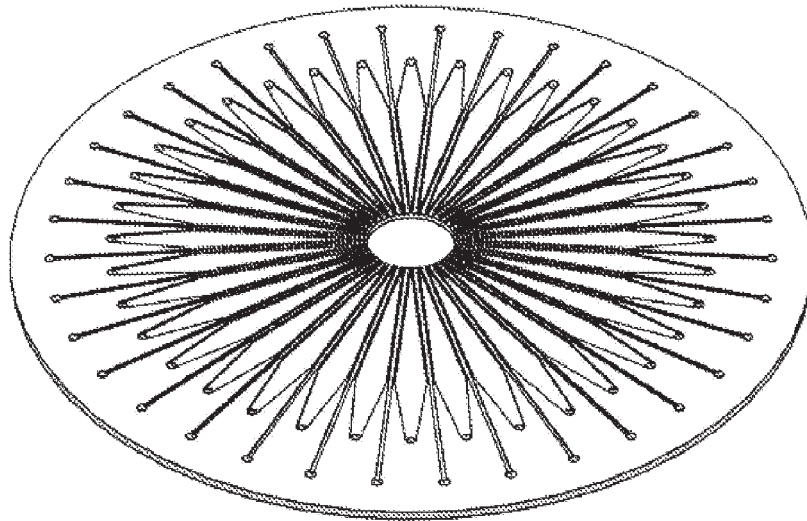


Fig. 24F

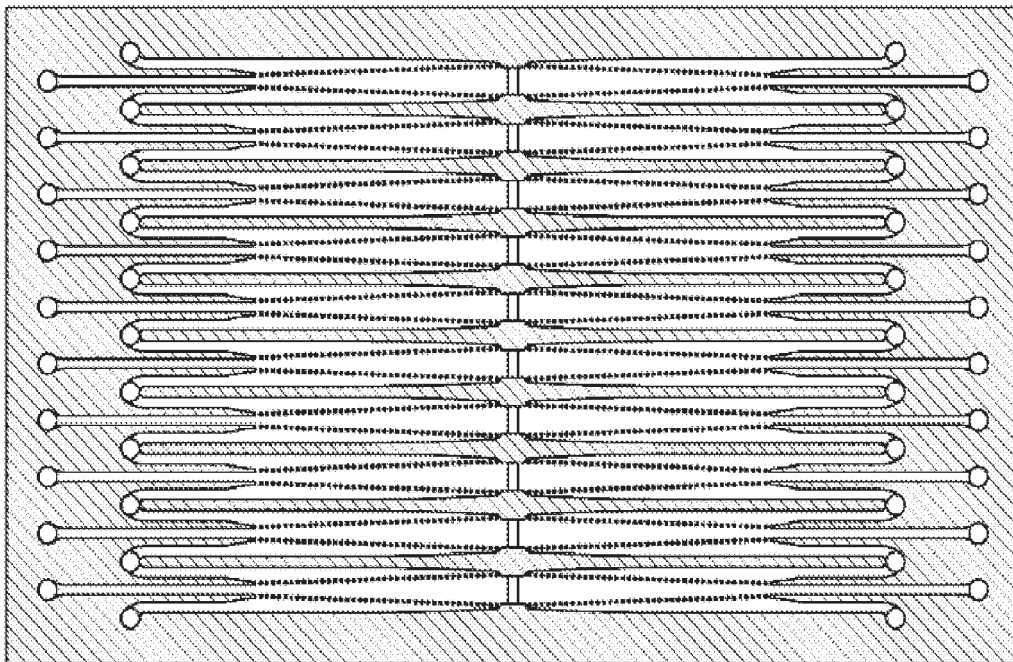


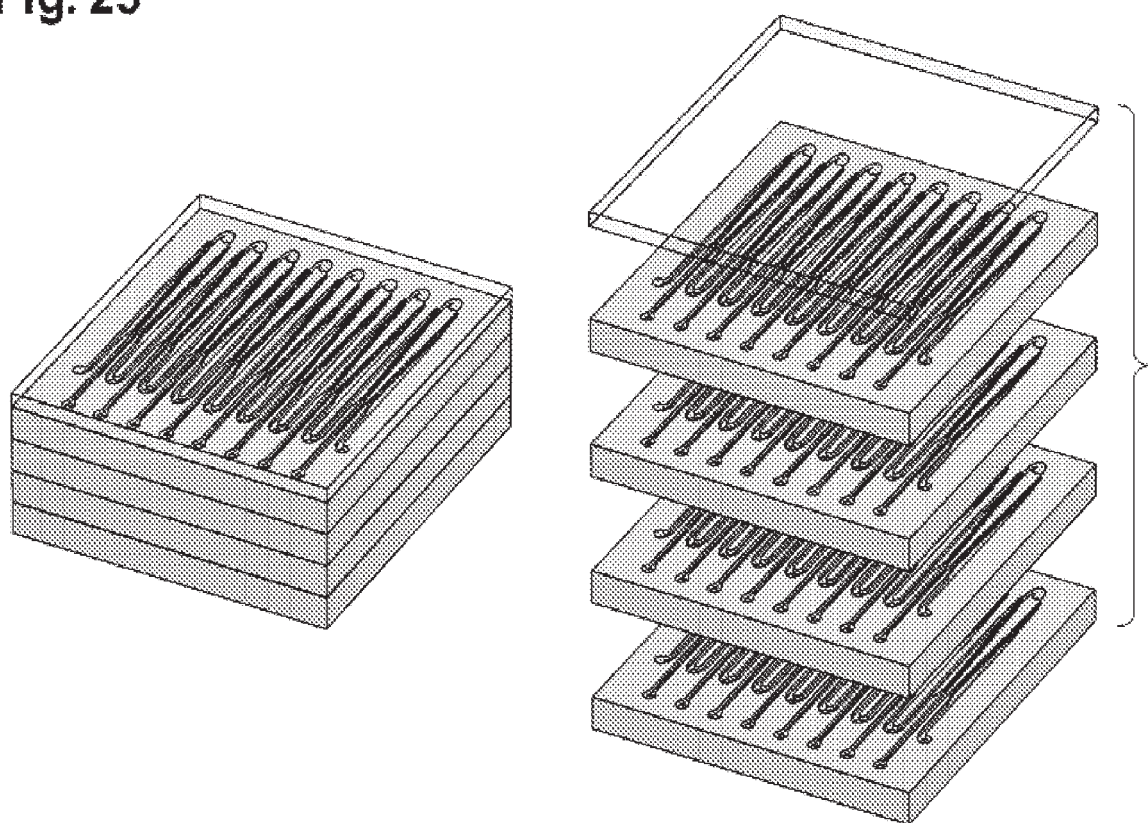
Fig. 25

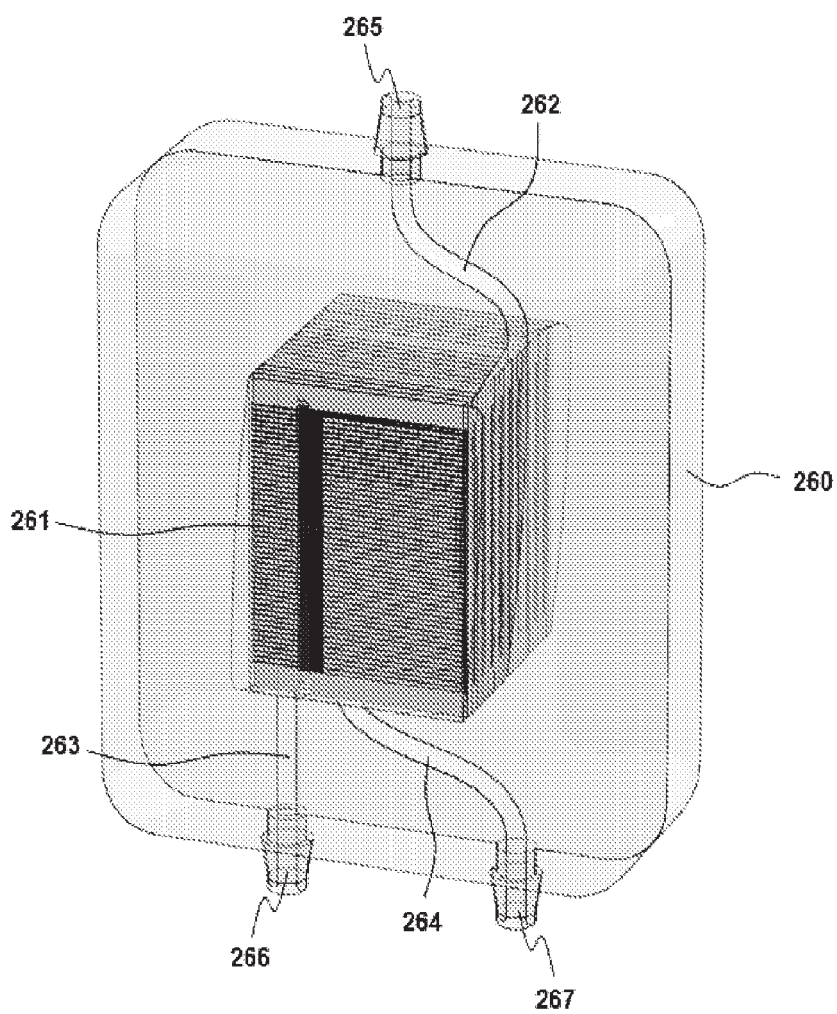
Fig. 26A

Fig. 26B

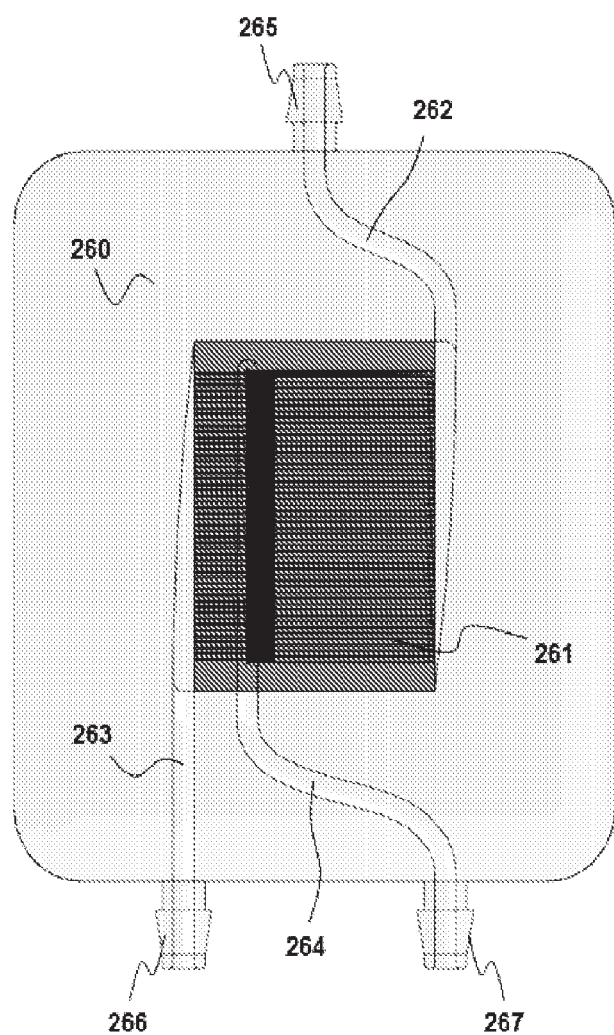
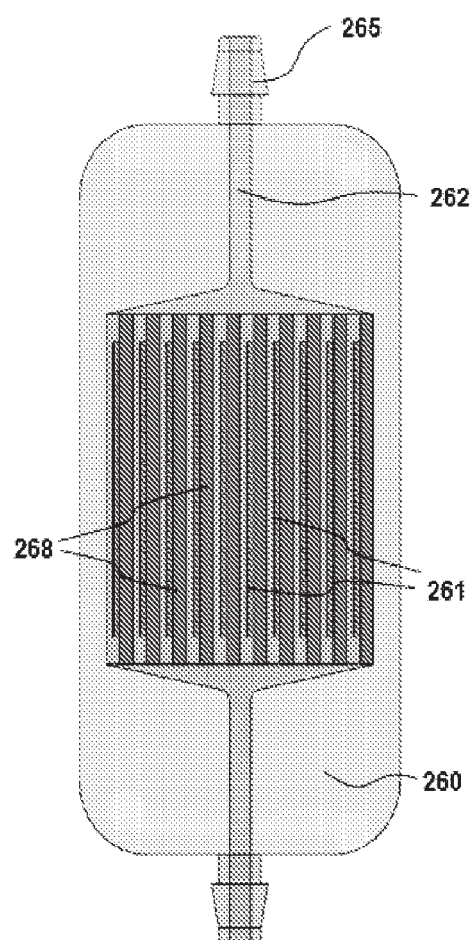


Fig. 26C



36/47

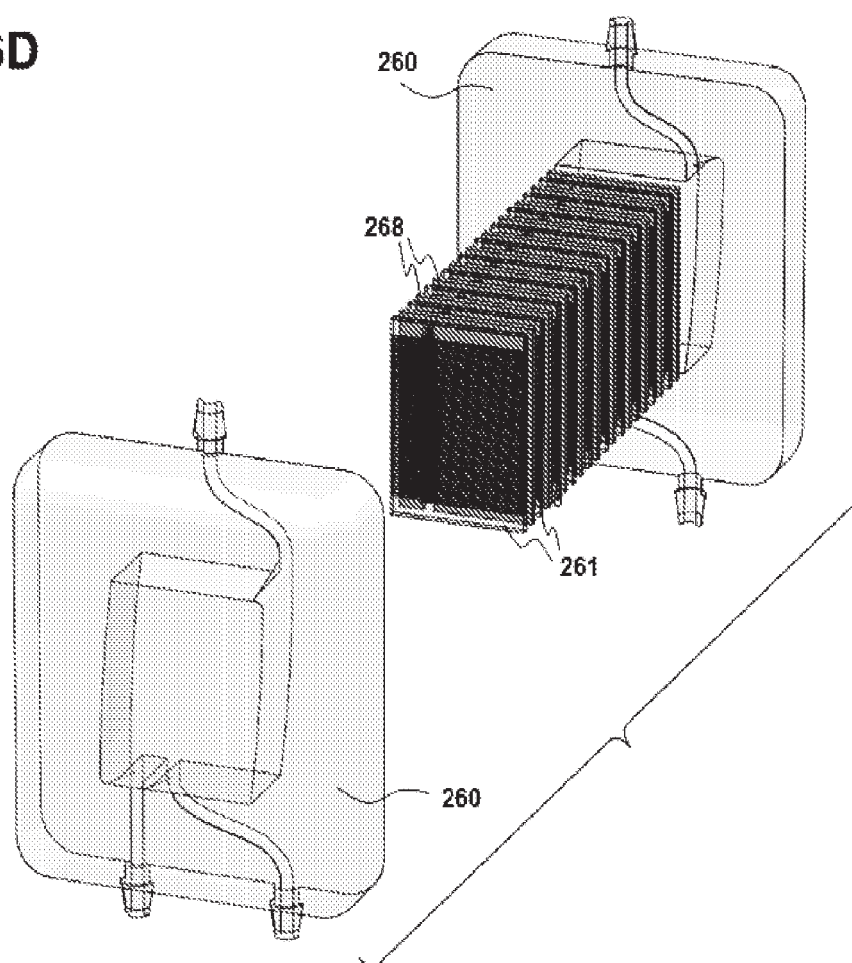
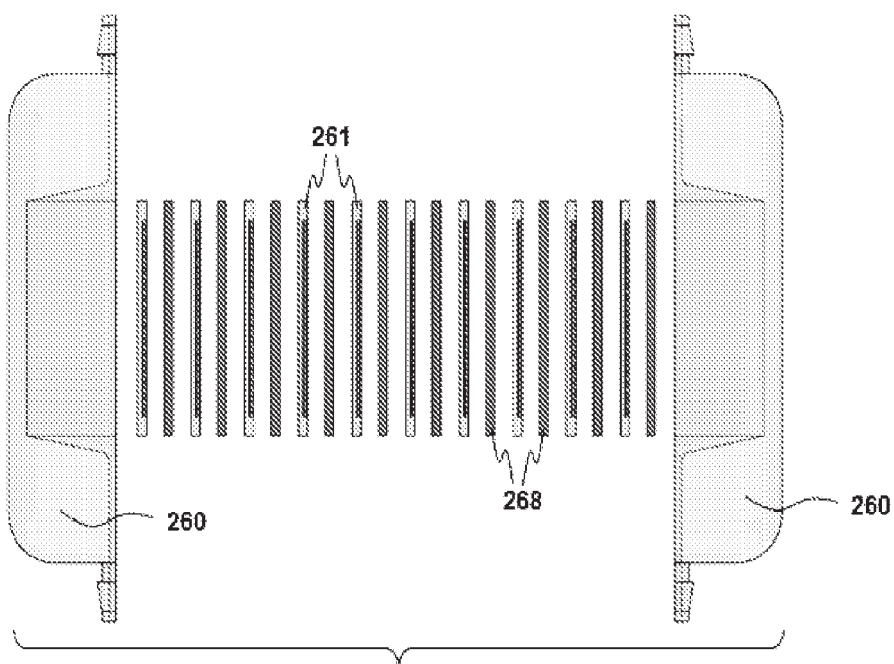
Fig. 26D**Fig. 26E**

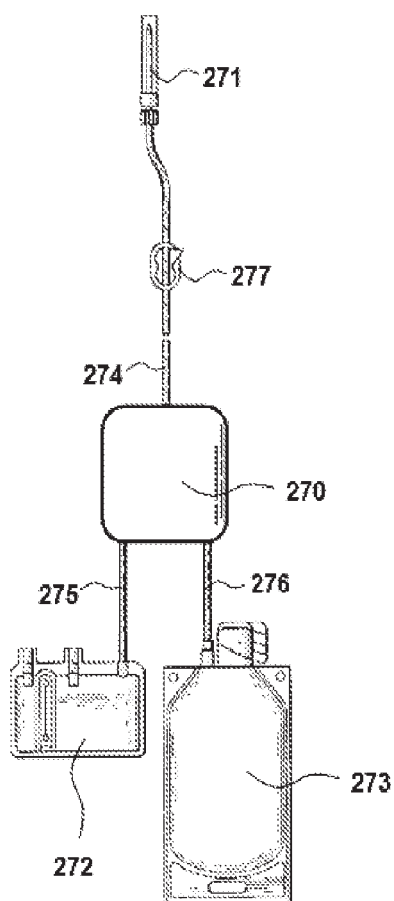
Fig. 27A

Fig. 27B

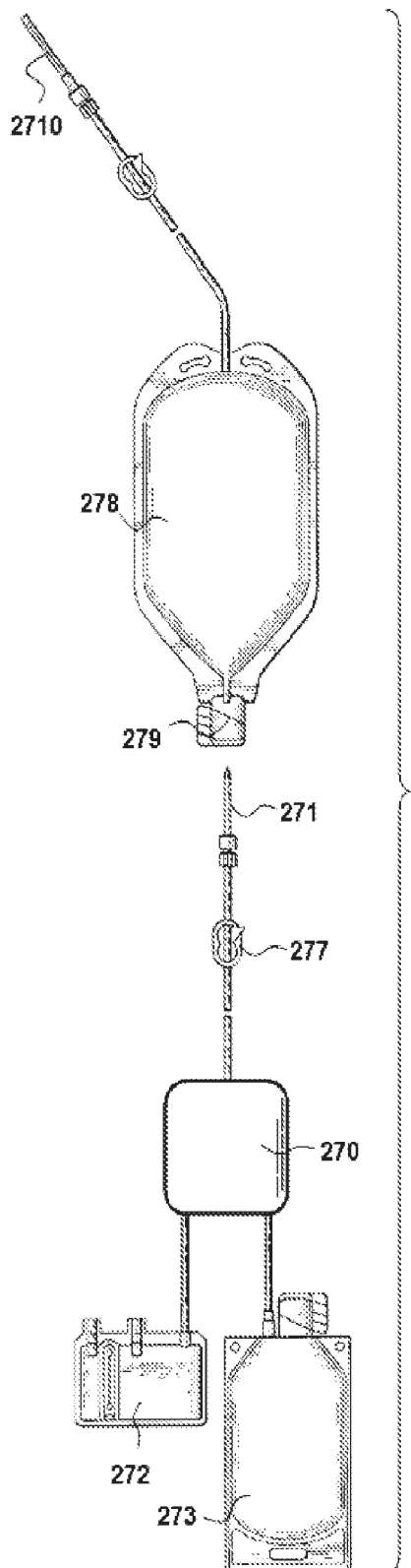


Fig. 27C

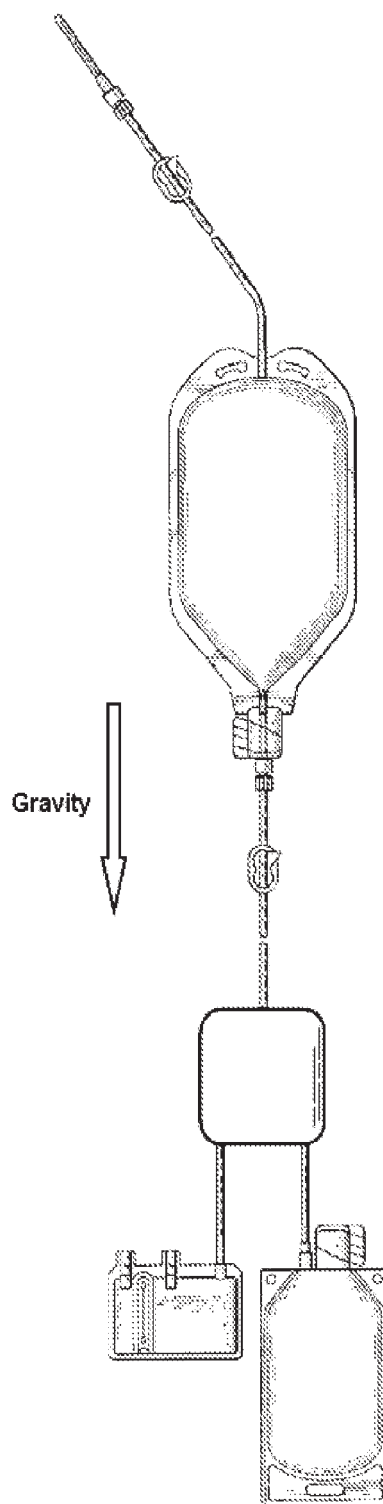


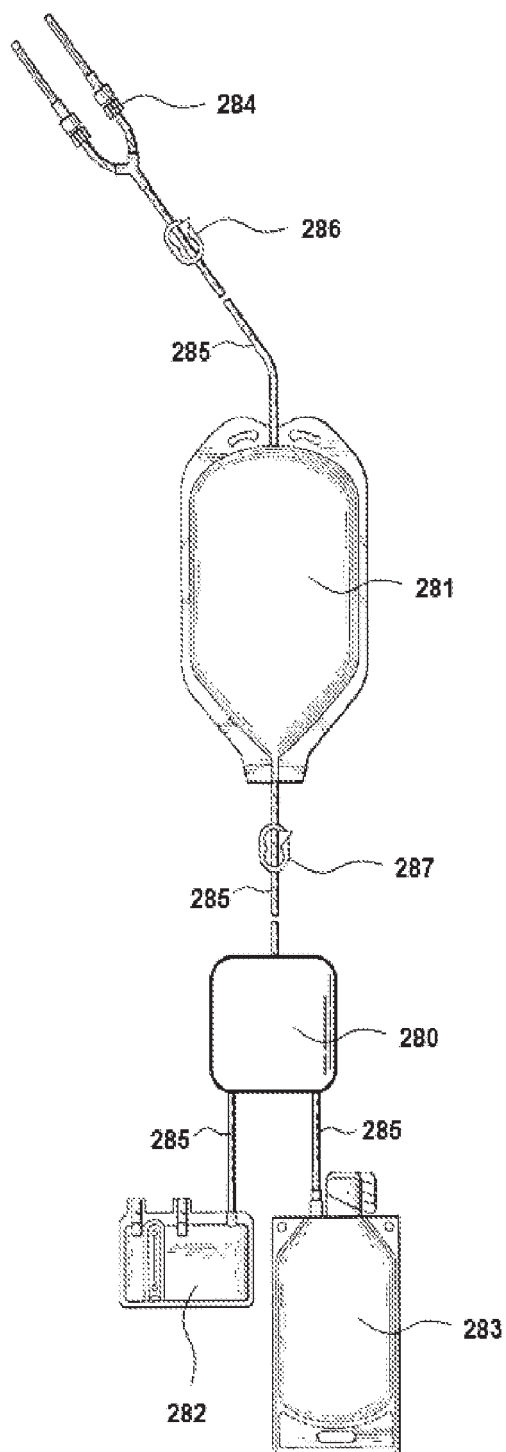
Fig. 28

Fig. 29A

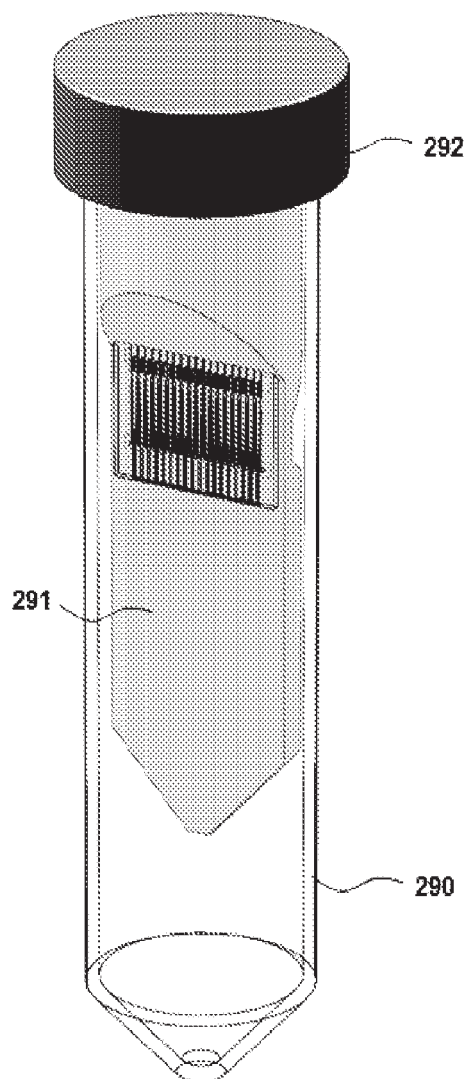


Fig. 29B

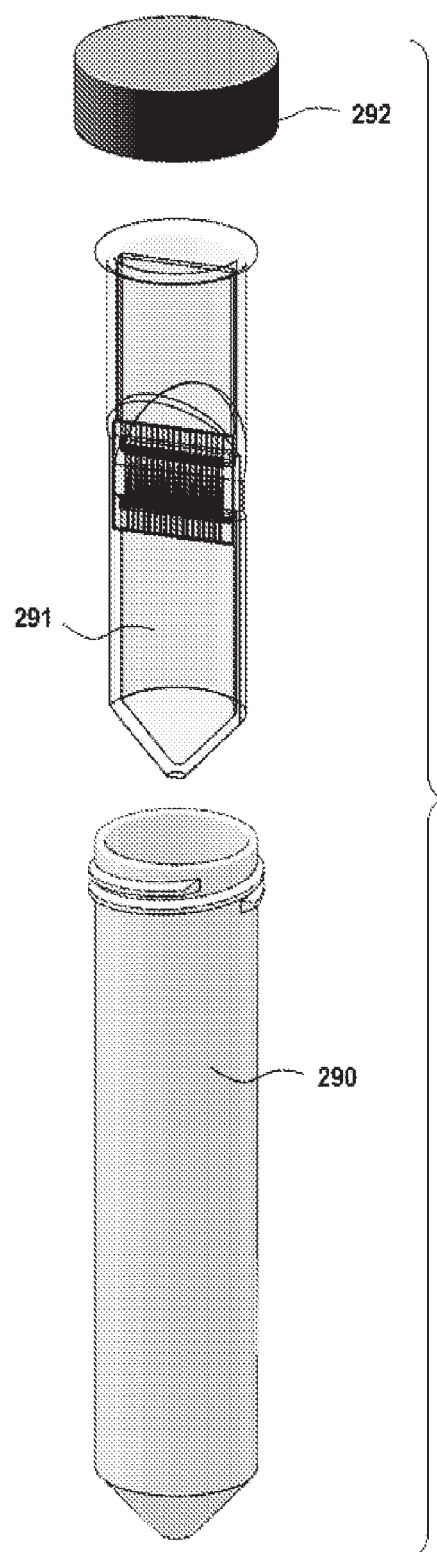


Fig. 30A

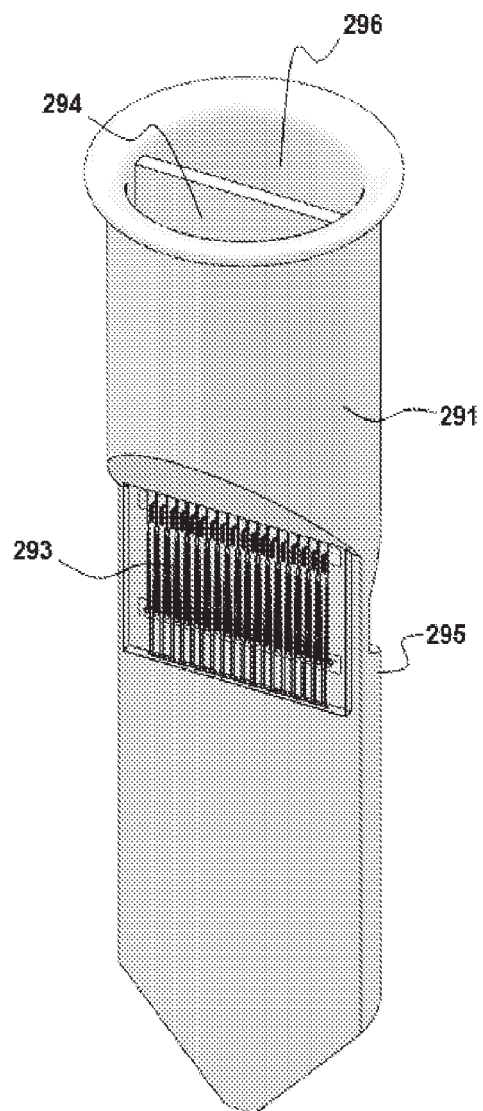


Fig. 30B

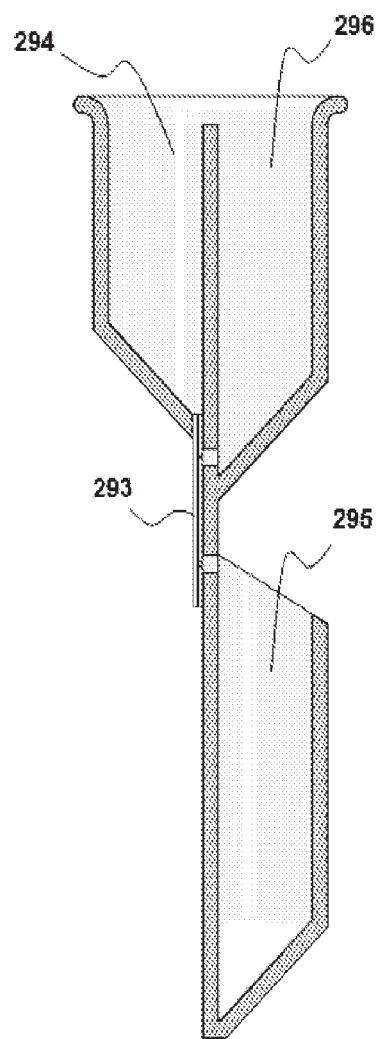


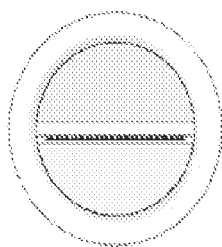
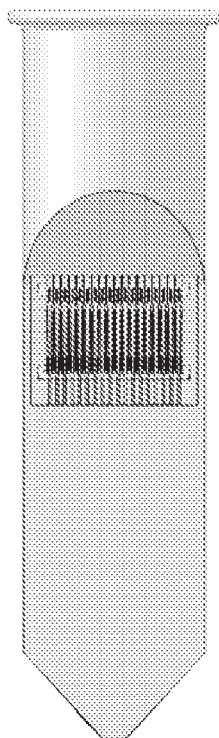
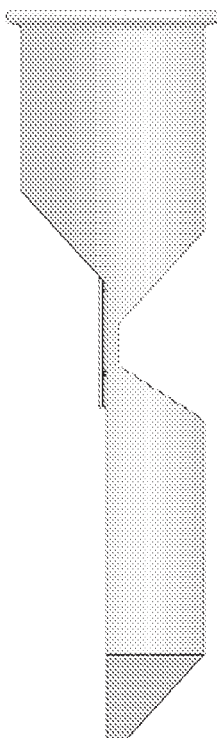
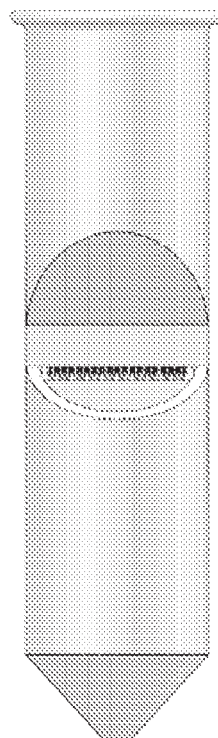
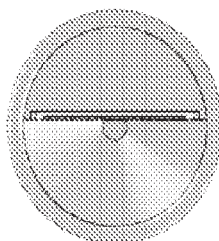
Fig. 30C**Fig. 30D****Fig. 30E****Fig. 30F****Fig. 30G**

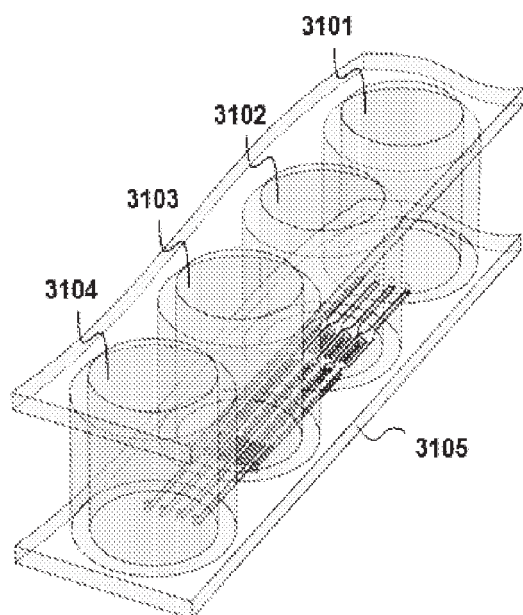
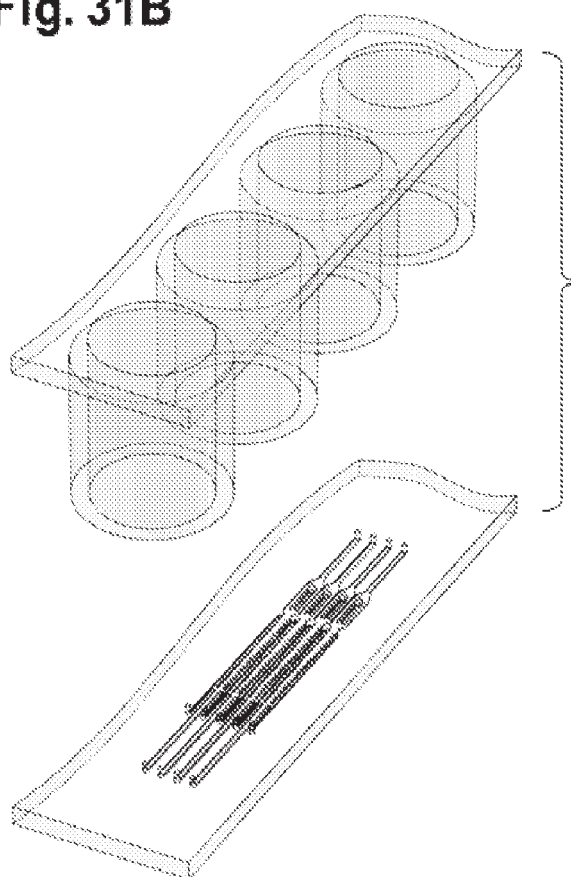
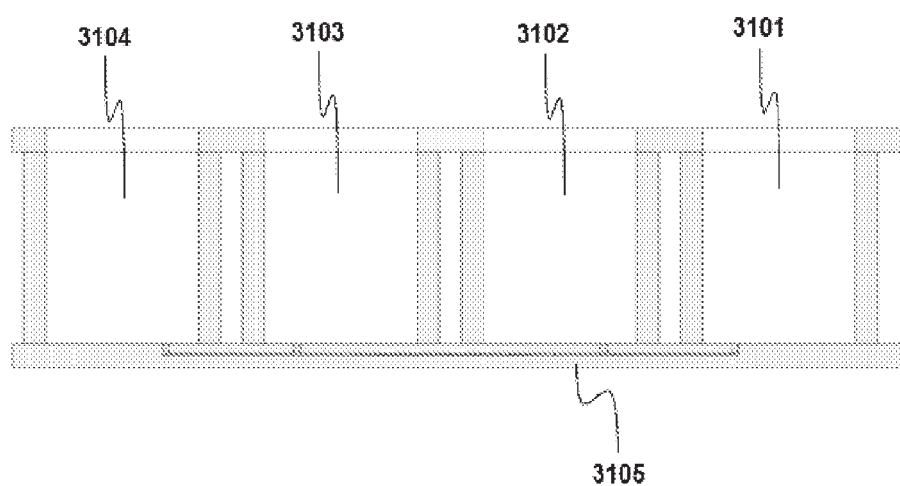
Fig. 31A**Fig. 31B****Fig. 31C**

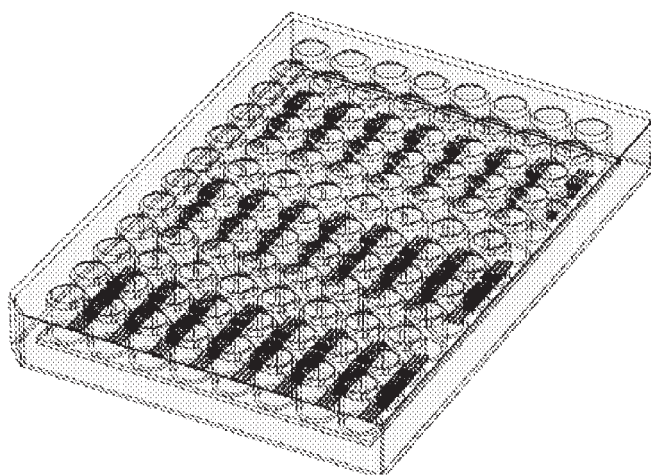
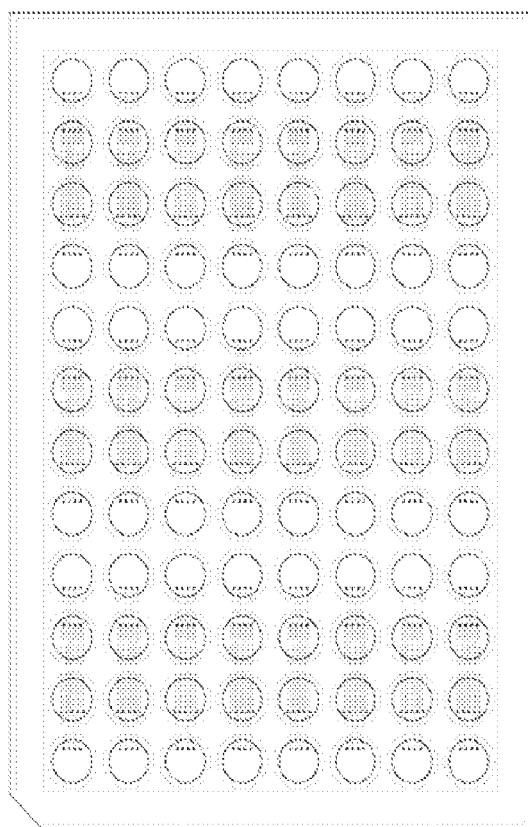
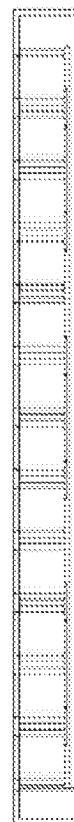
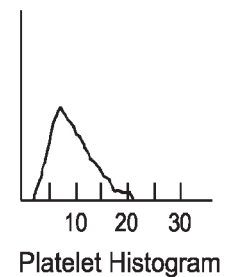
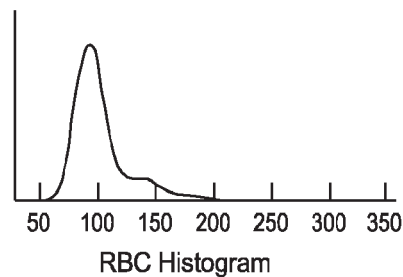
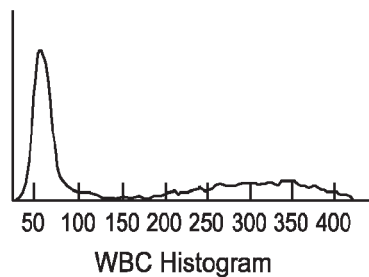
Fig. 32A**Fig. 32B****Fig. 32C****Fig. 32D**

FIG. 33

Sample	Processing Throughput	Leukocyte Retention	Erythrocyte Carryover	Platelet Carryover	Leukocyte Viability Before Isolation	Leukocyte Viability After Isolation
1	5.5 ml/hr	96%	2.1%	<1%	99.6%	99.7%
2	5.3 ml/hr	93%	1.8%	<1%	99.5%	99.3%
Average	5.4 ml/hr	94%	2.0%	<1%	99.6%	99.5%

FIG. 34A

Sample 1



Sample 2

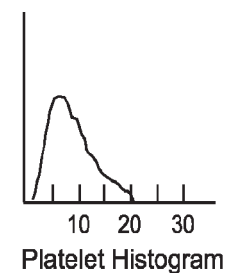
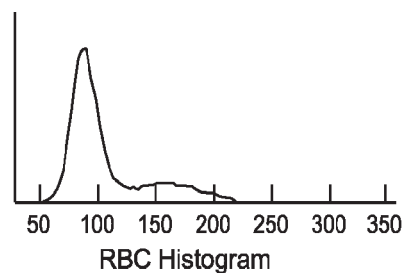
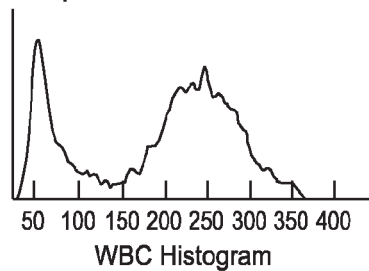
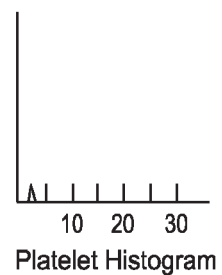
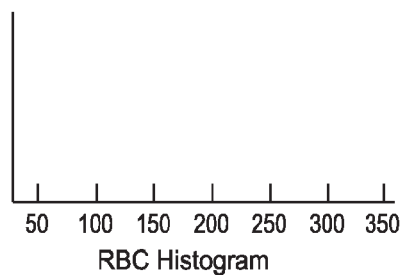
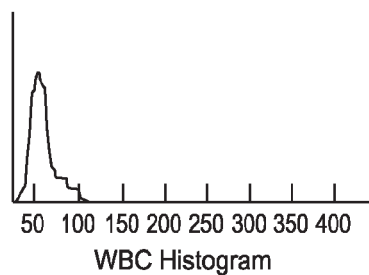


FIG. 34B

Retentate 1



Retentate 2

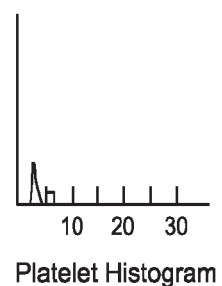
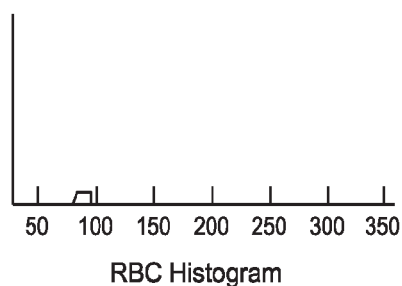
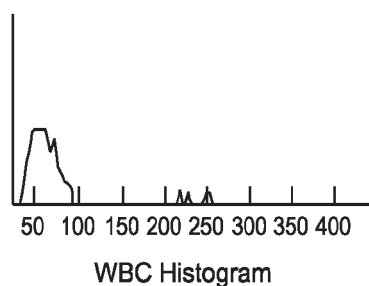


Fig. 34C

	Lymphocyte ($10^3/\mu\text{l}$)	Monocyte ($10^3/\mu\text{l}$)	Granulocyte ($10^3/\mu\text{l}$)	Erythrocyte ($10^6/\mu\text{l}$)	Platelet ($10^3/\mu\text{l}$)
Blood Sample 1	1.2	0.1	1.1	2.08	81
Blood Sample 2	0.9	0.1	2.2	2.45	93
Retentate 1	0.6	0.0	0.0	0.00	0
Retentate 2	0.7	0.0	0.0	0.00	0

Fig. 34D

Sample	Processing Throughput	Lymphocyte Purity	Erythrocyte Carryover	Platelet Carryover
1	8.7 ml/hr	>90%	<0.5%	<1%
2	9.6 ml/hr	>90%	<0.5%	<1%
Average	9.2 ml/hr	>90%	<0.5%	<1%

Fig. 35A

Sample	Throughput (ml/hr)	Volume Reduction Factor	Leukocyte Recovery Yield	Viability Before Processing	Viability After Processing
1	12.0	5.7	86%	99.5%	99.4%
2	10.2	5.6	91%	99.8%	99.6%
3	12.8	5.3	87%	99.1%	99.2%
4	11.4	5.3	87%	98.7%	99.6%
5	11.6	5.1	84%	99.5%	99.7%
6	9.8	5.6	89%	99.4%	99.3%
7	12.0	5.2	89%	99.4%	99.3%
8	11.2	5.5	83%	99.8%	99.9%
9	12.0	4.8	93%	99.6%	99.7%
Average	11.4	5.3	88%	99.4%	99.5%

Fig. 35B

Sample	Cord Blood CD34+ Cell Frequency	Retentate CD34+ Cell Frequency	CD34+ Cell Recovery Yield
10	0.22%	0.22%	87%
11	0.38%	0.38%	89%
12	0.68%	0.74%	85%
Average			87%

Fig. 35C

Sample	Cord Blood CFC-GM Frequency	Retentate CFC-GM Frequency	CFC-GM Recovery Yield
13	0.06%	0.06%	92%
14	0.17%	0.21%	87%
15	0.17%	0.20%	98%
Average			92%