FIG. 1

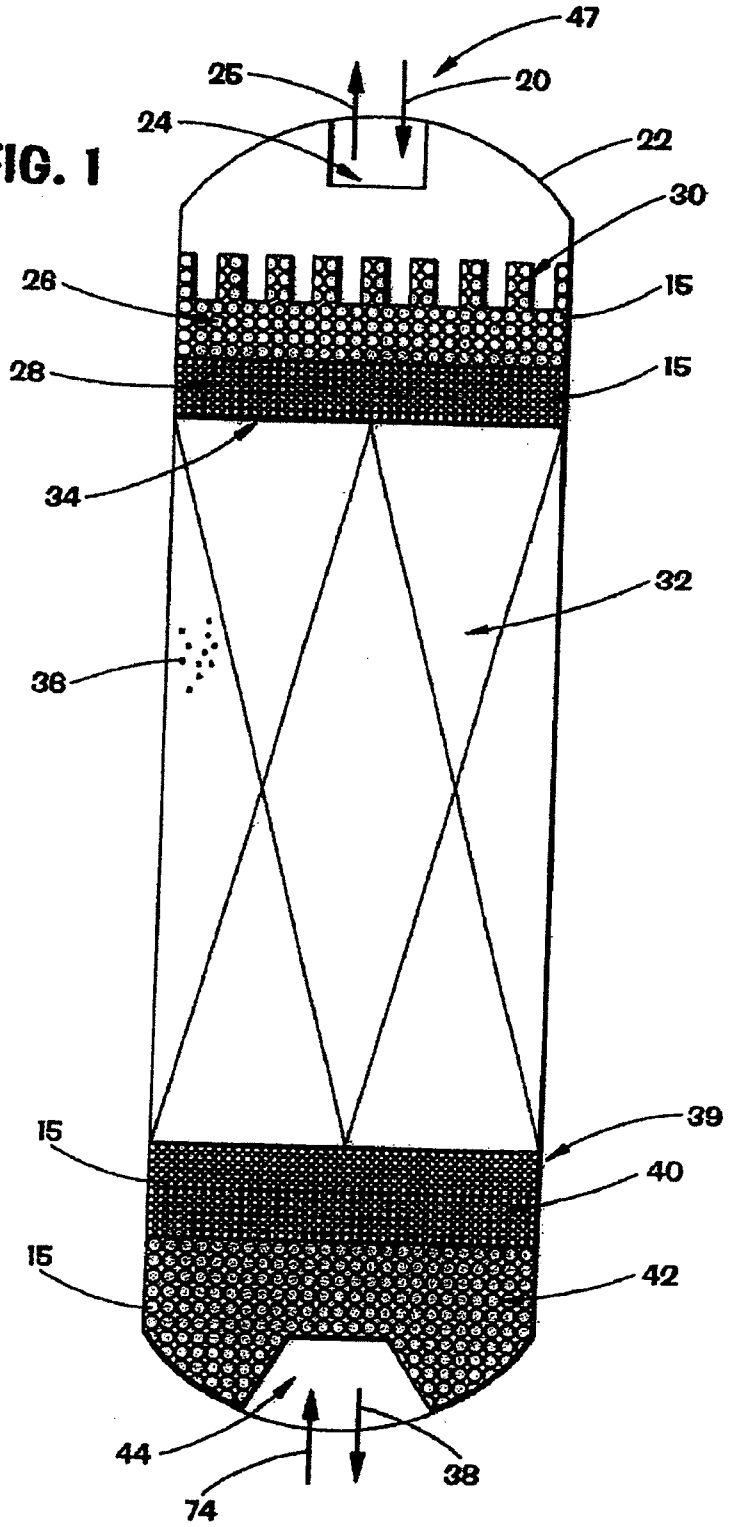


FIG. 2

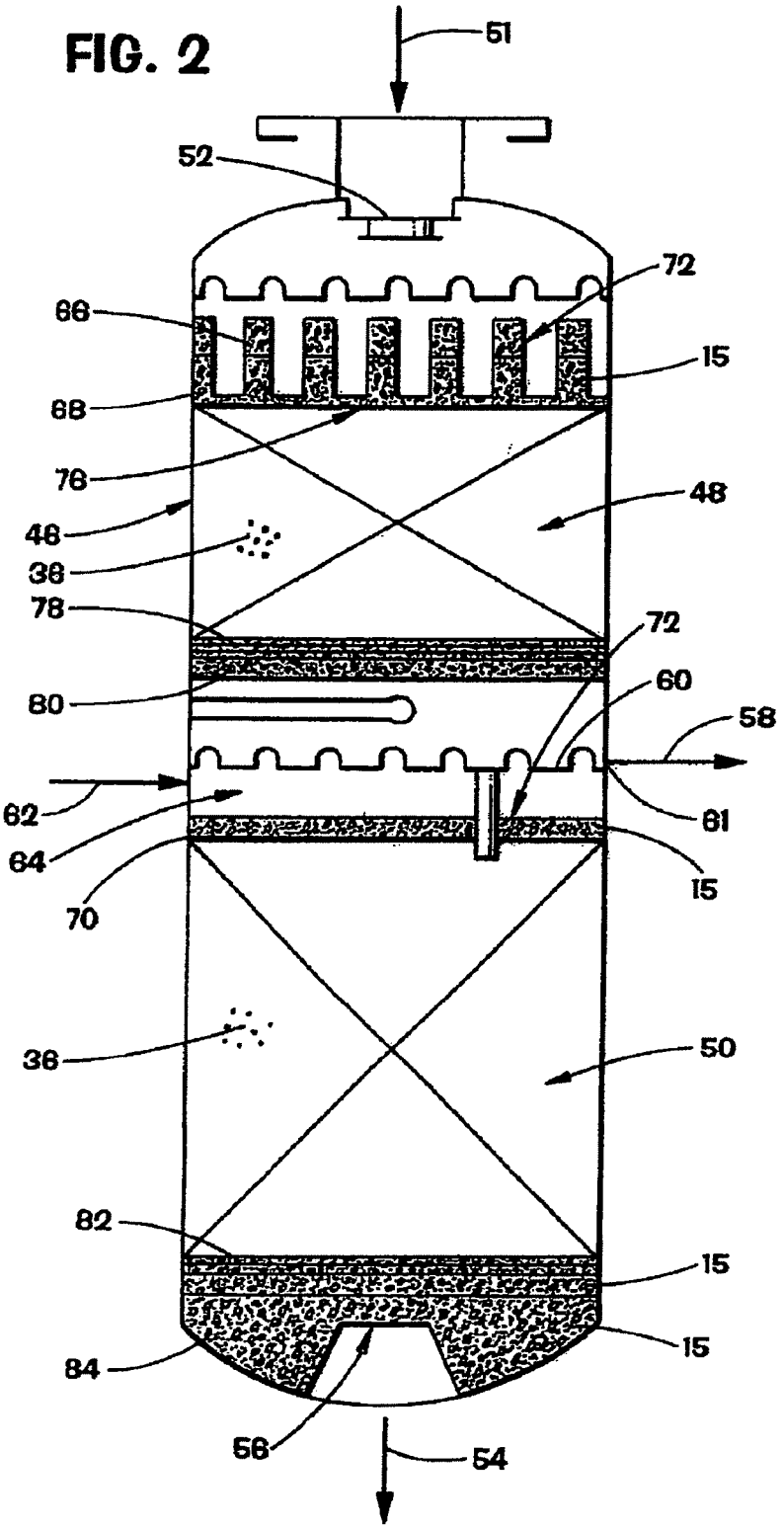

51
52
72
66
15
68
76
48
48
38
78
72
80
60
58
62
81
64
15
70
36
50
82
15
15
84
56
54

FIG. 3

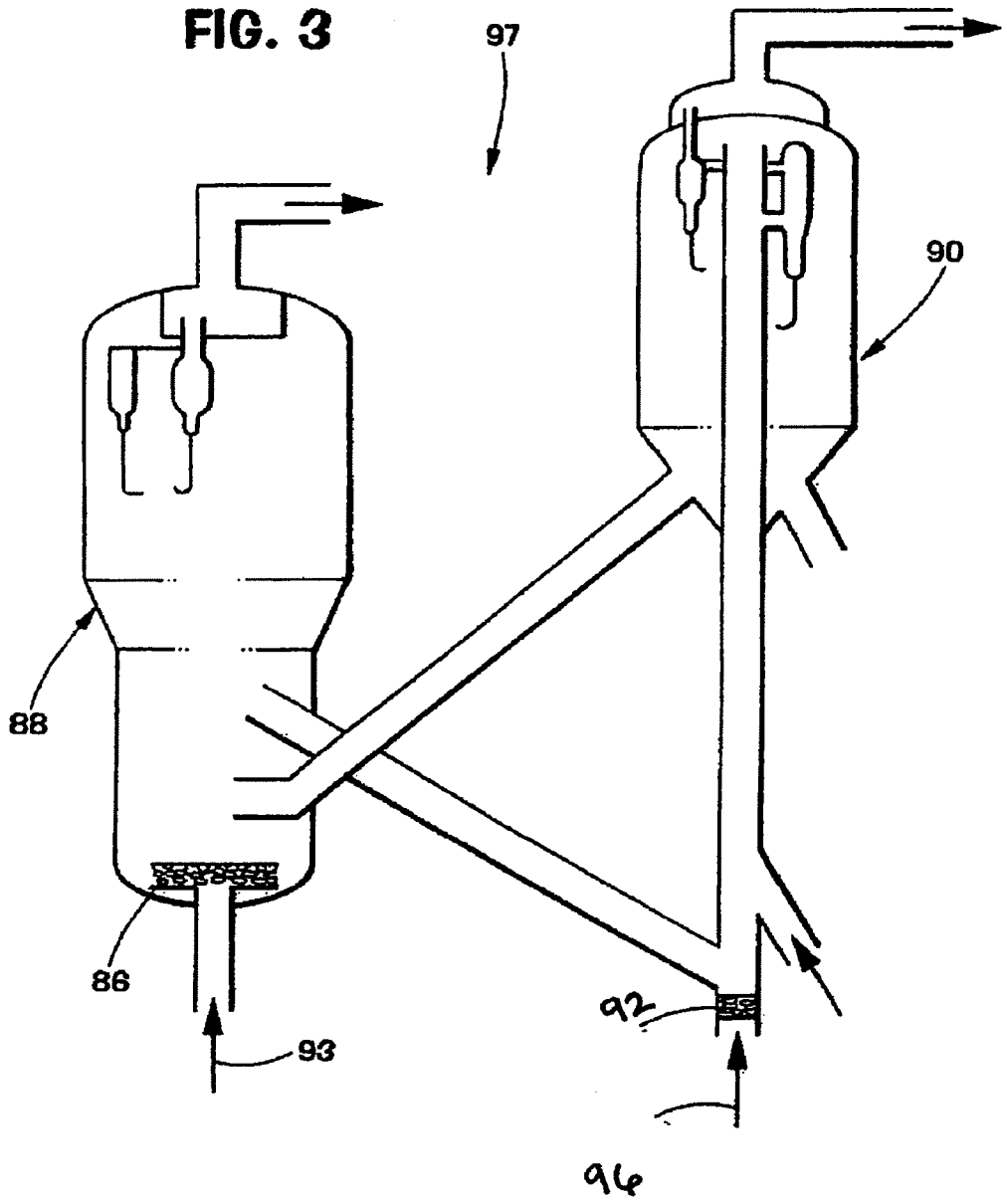


FIG. 4

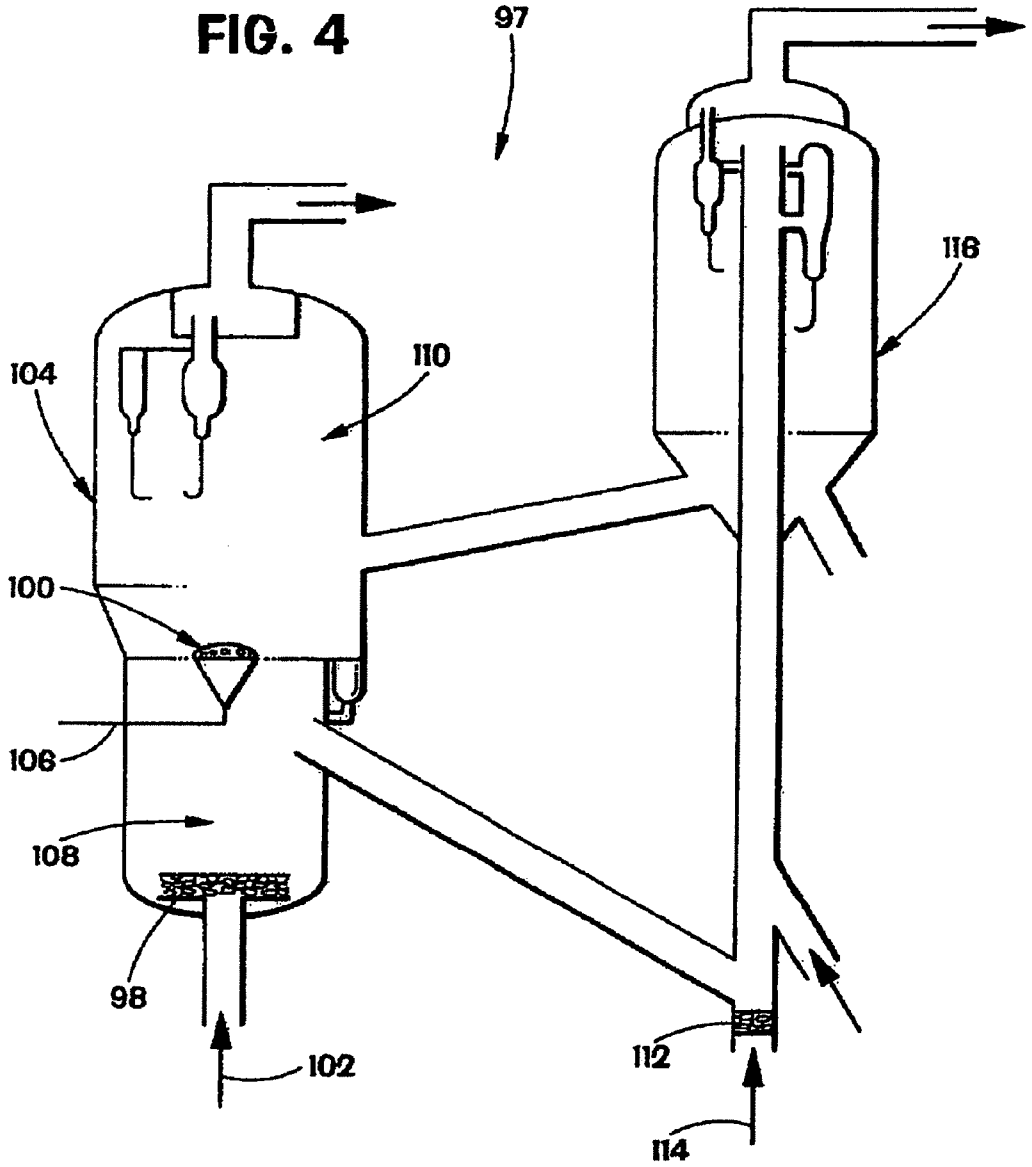
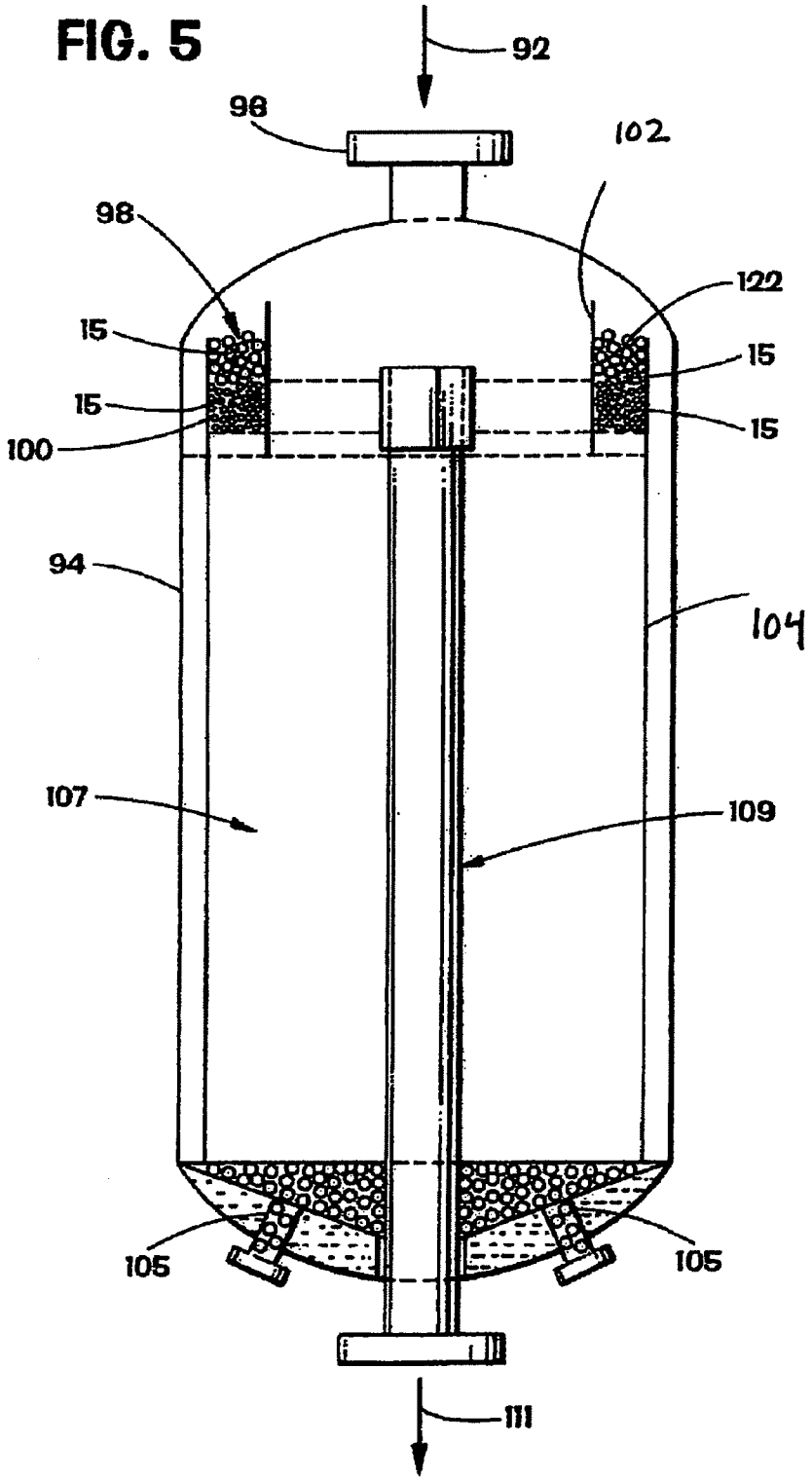


FIG. 5



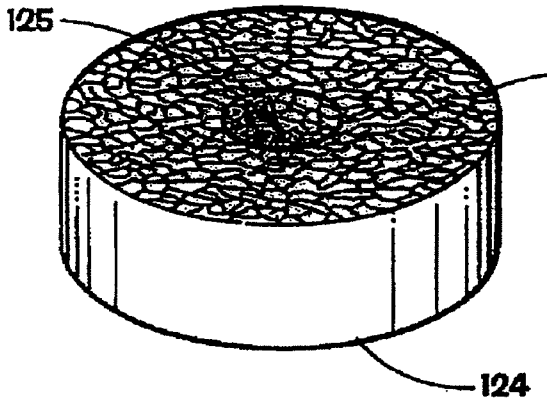


FIG. 6

FIG. 7

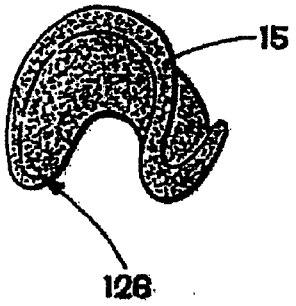


FIG. 8

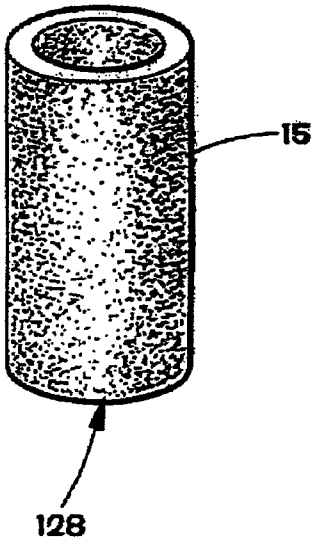
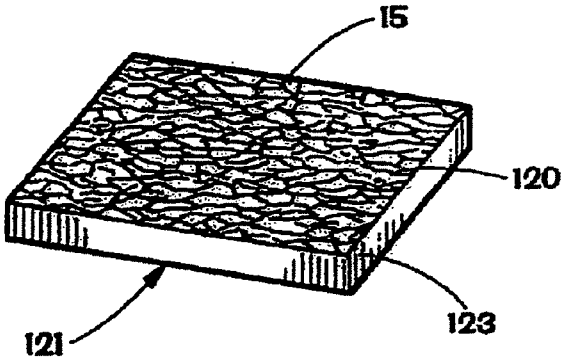


FIG. 9



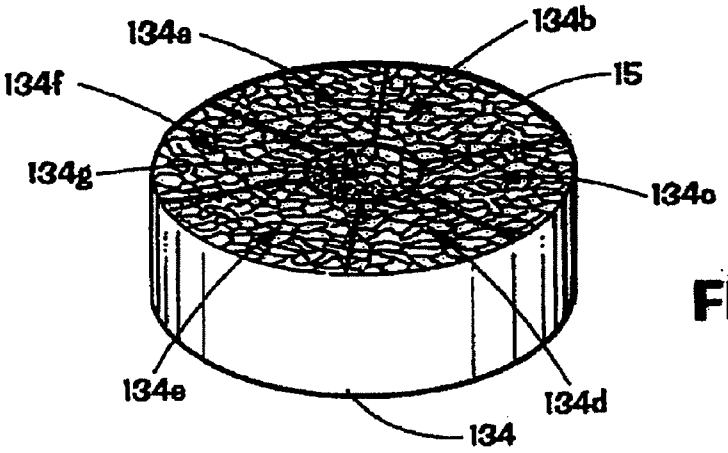
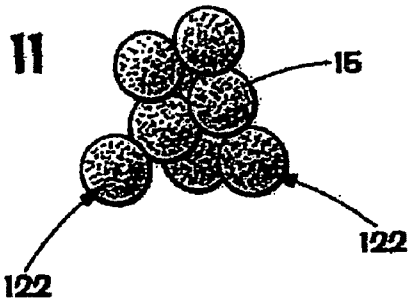


FIG. 10

FIG. 11



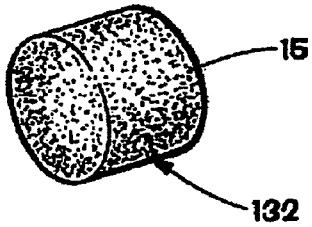


FIG. 12

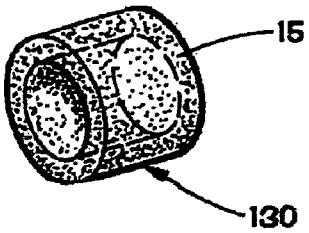
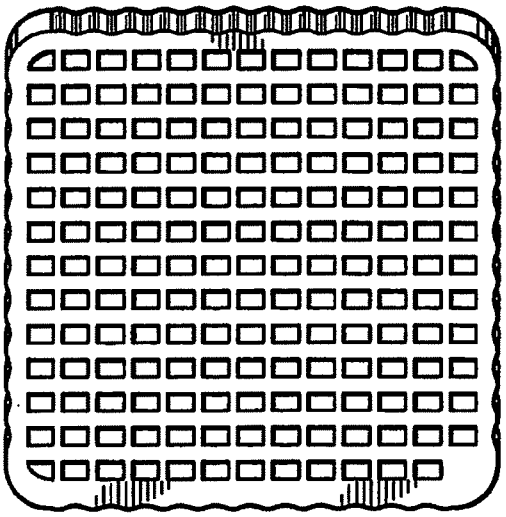


FIG. 13

FIG. 14



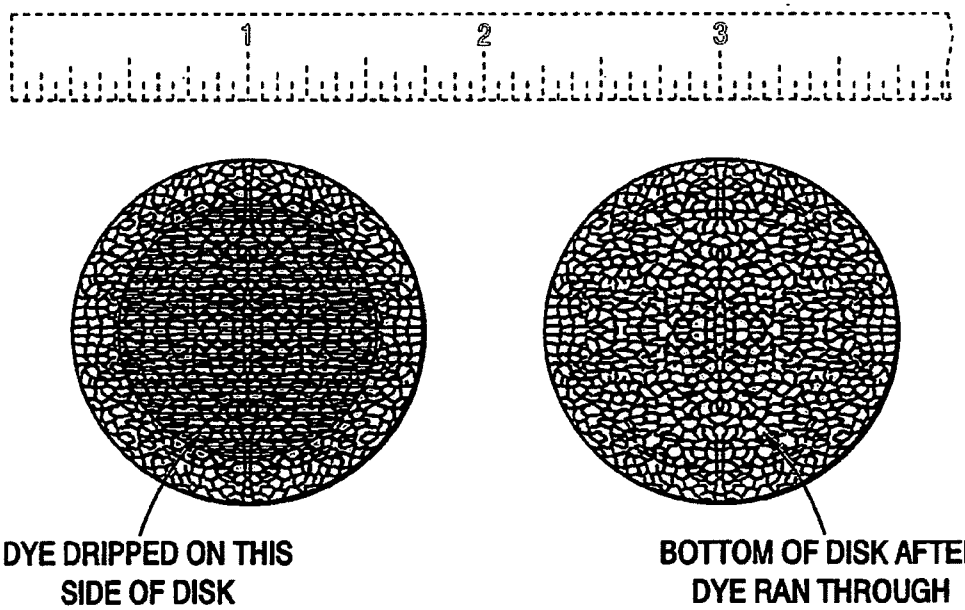

1
2
3
DYE DRIPPED ON THIS SIDE OF DISK
BOTTOM OF DISK AFTER DYE RAN THROUGH

FIG. 21

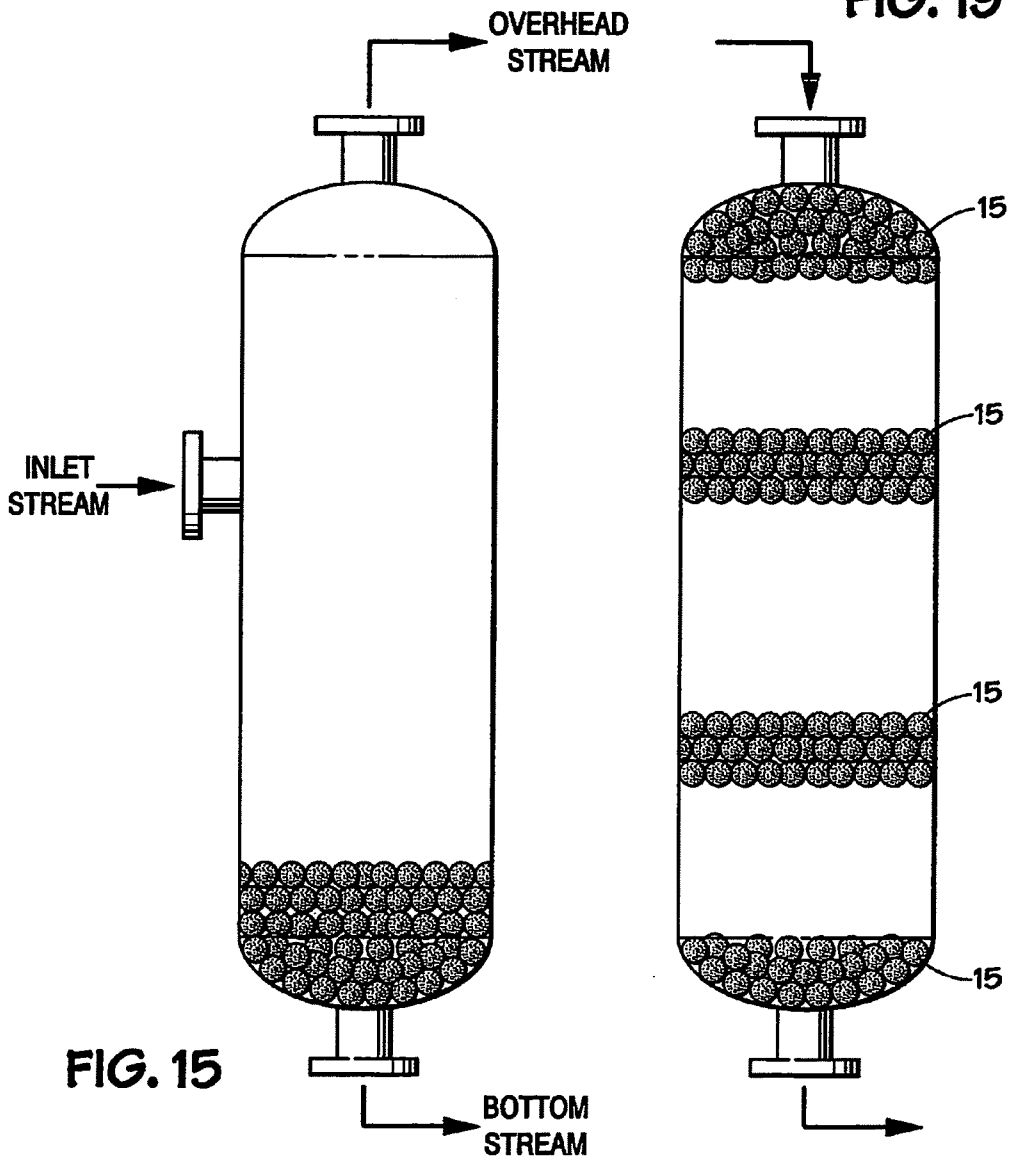


FIG. 15

FIG. 19

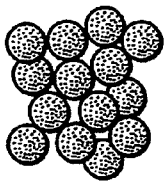


FIG. 16

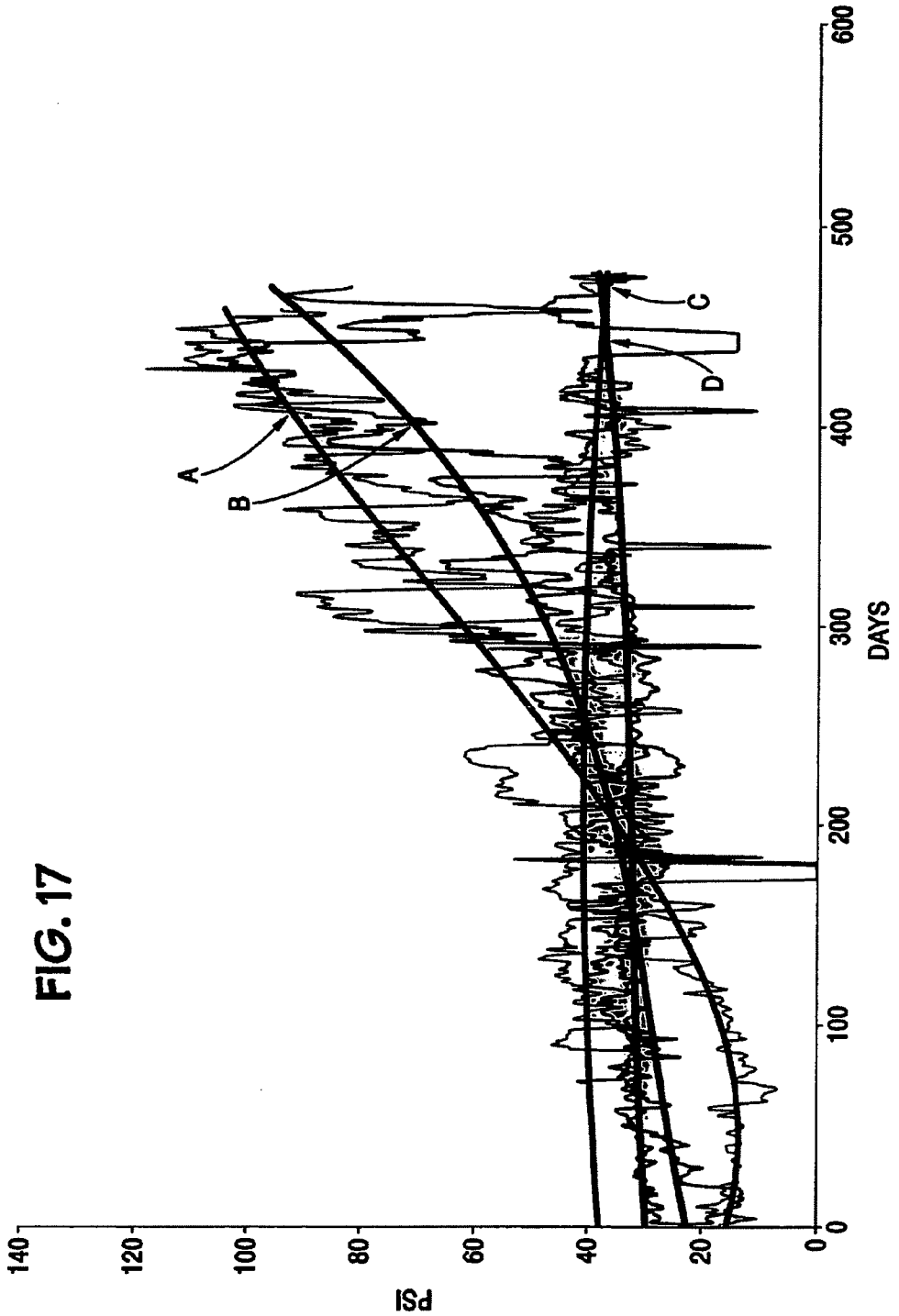


FIG. 17

FIG. 18 – Comparison of Pressure Drop in Naphtha Hydrotreaters

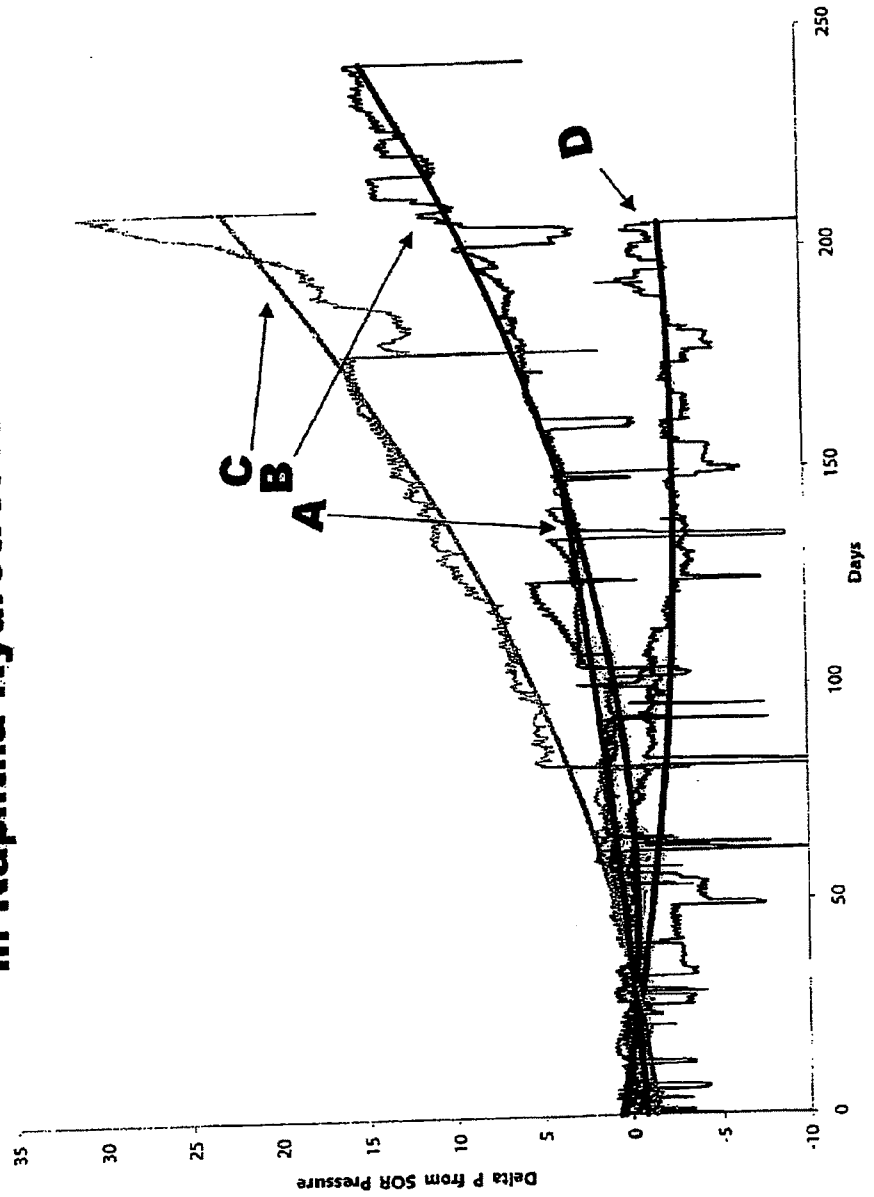


FIG. 22

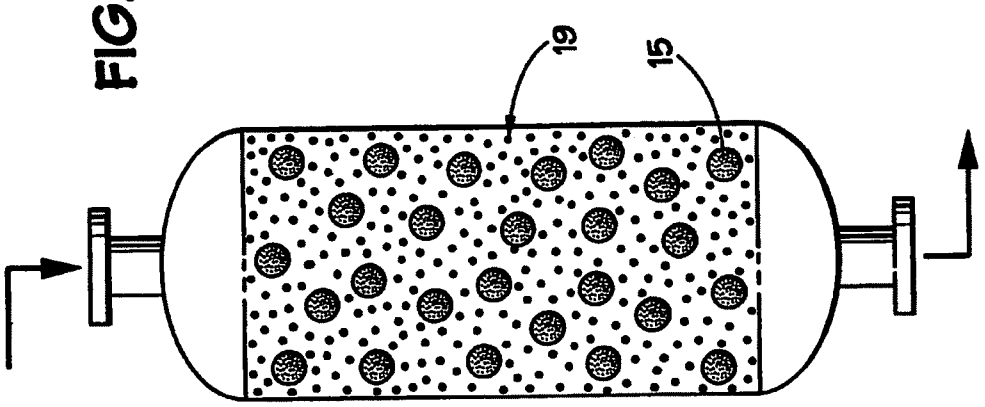


FIG. 20

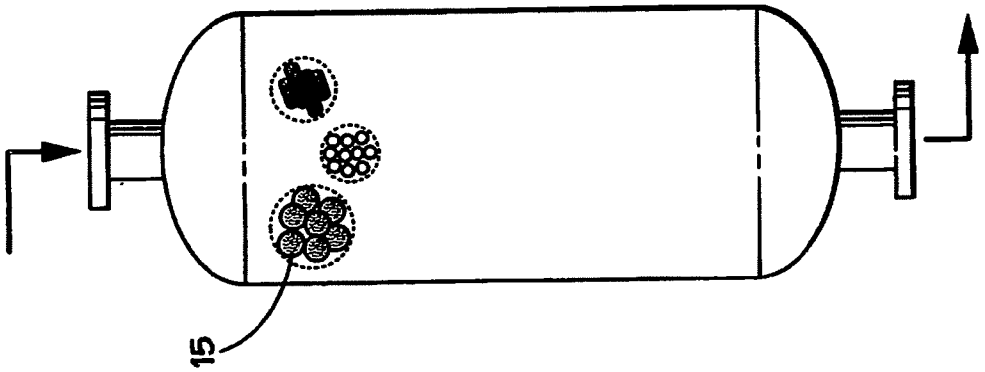


FIG. 23
(PRIOR ART)

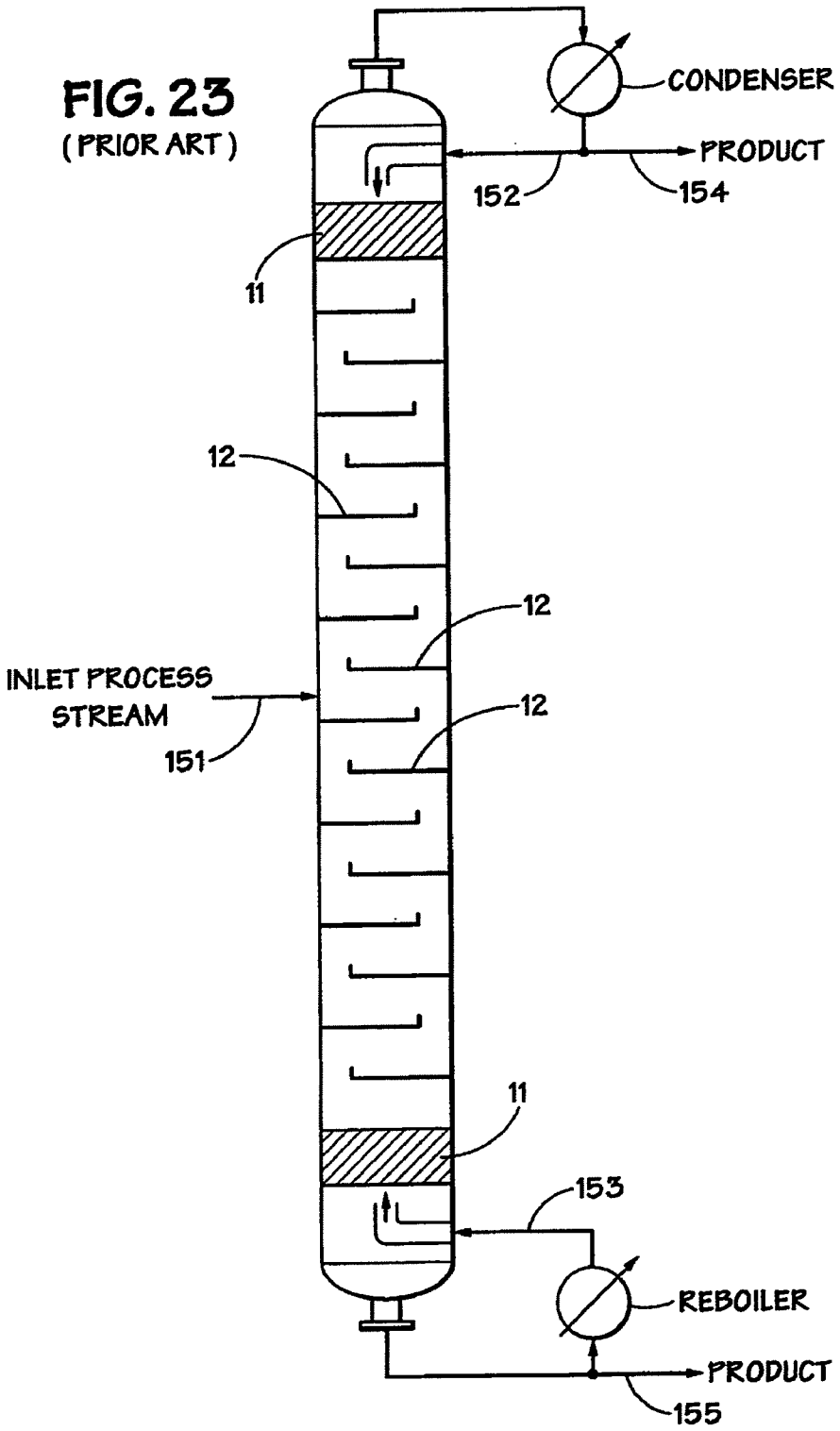
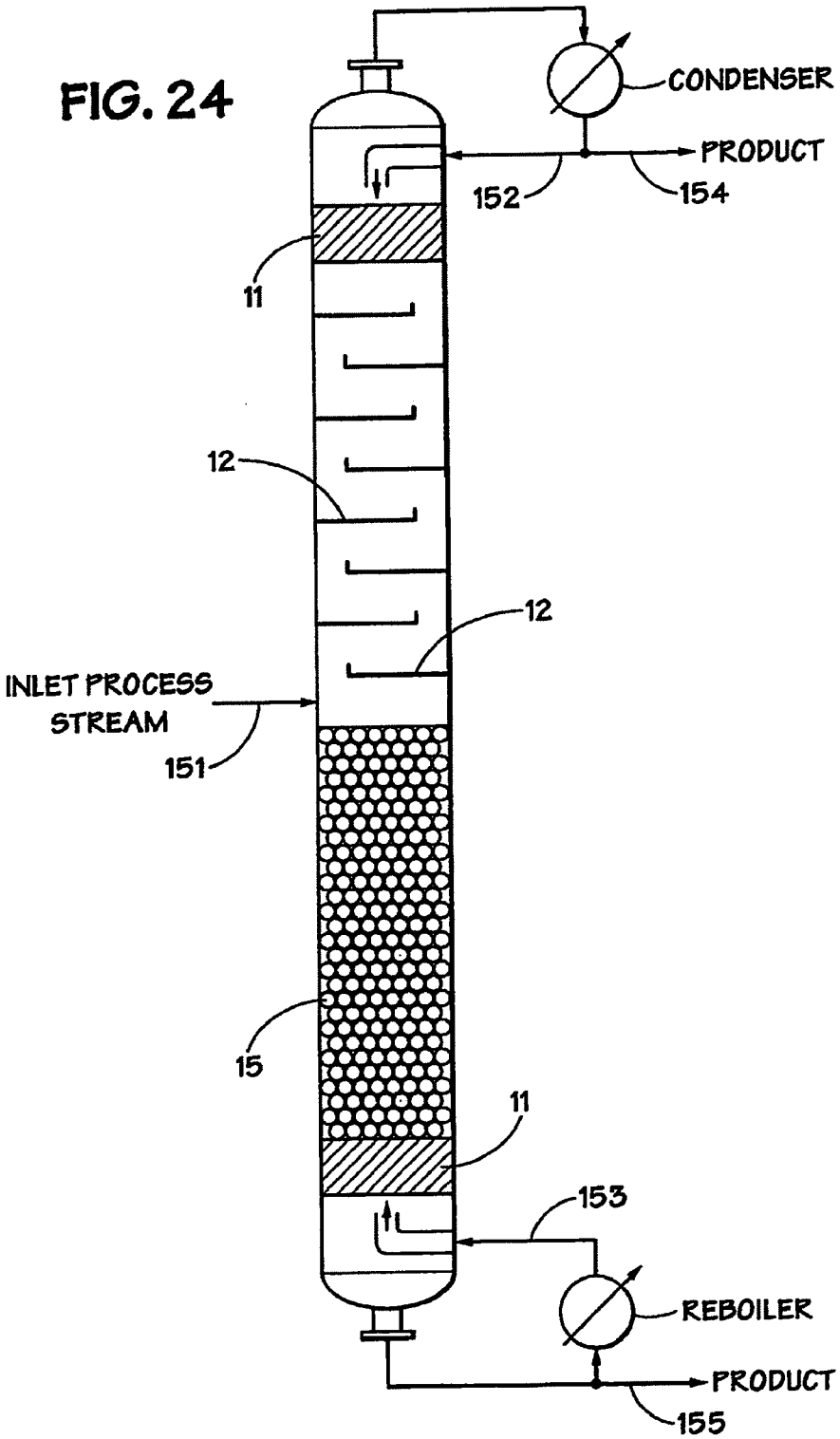


FIG. 24


CONDENSER
PRODUCT
152
154
11
12
12
INLET PROCESS
STREAM
151
15
11
153
REBOILER
PRODUCT
155

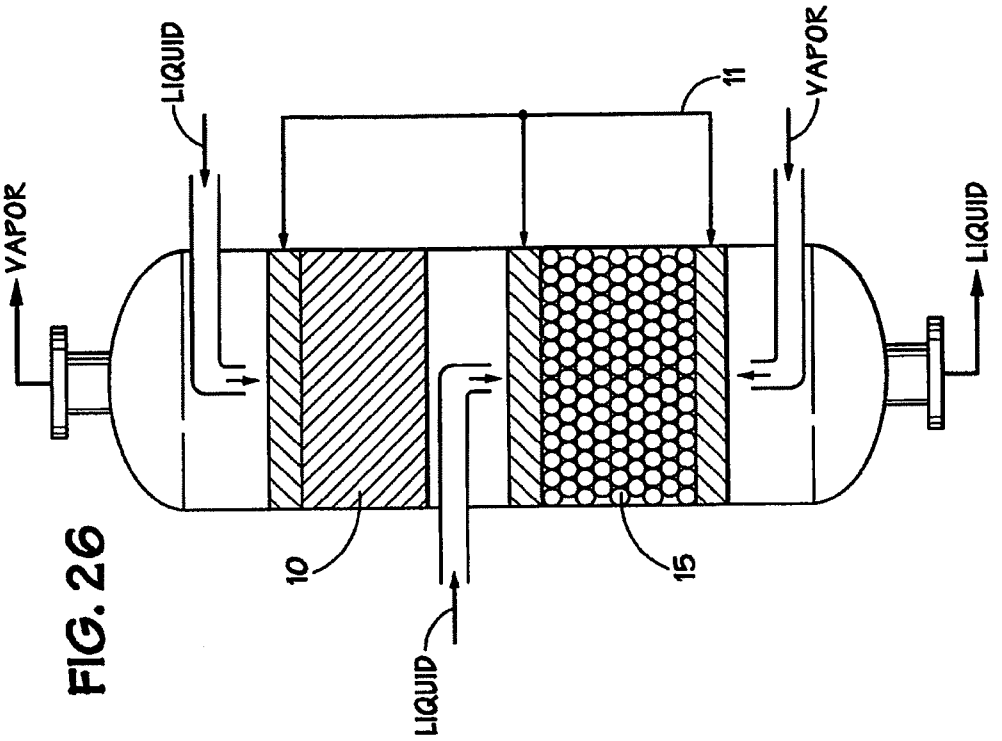


FIG. 26

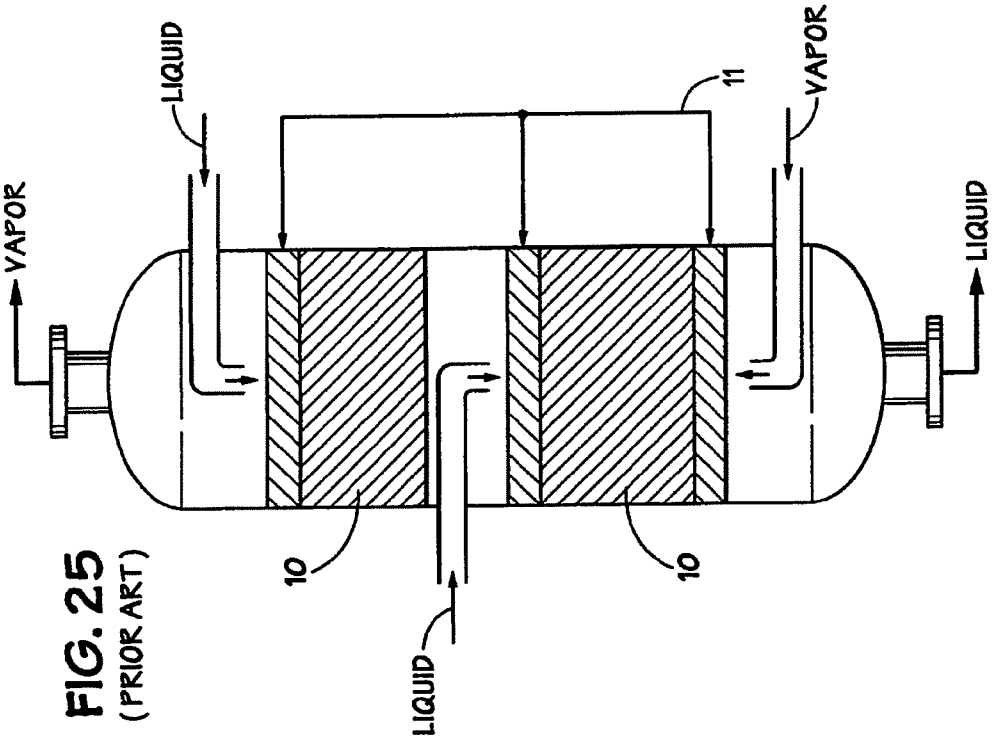


FIG. 25
(PRIOR ART)

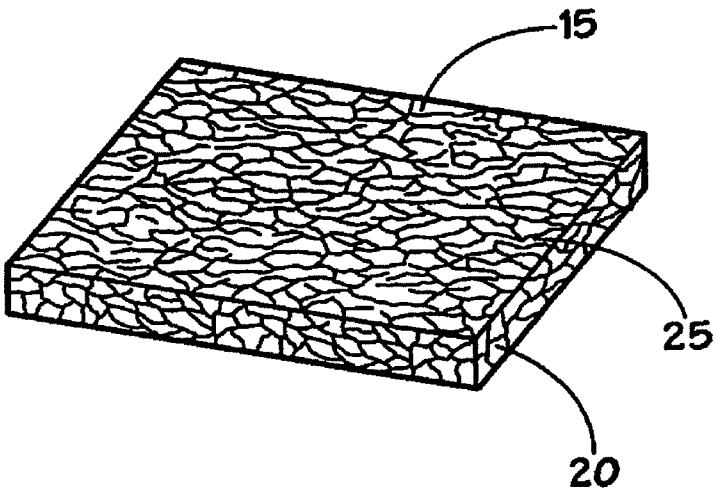


FIG. 27

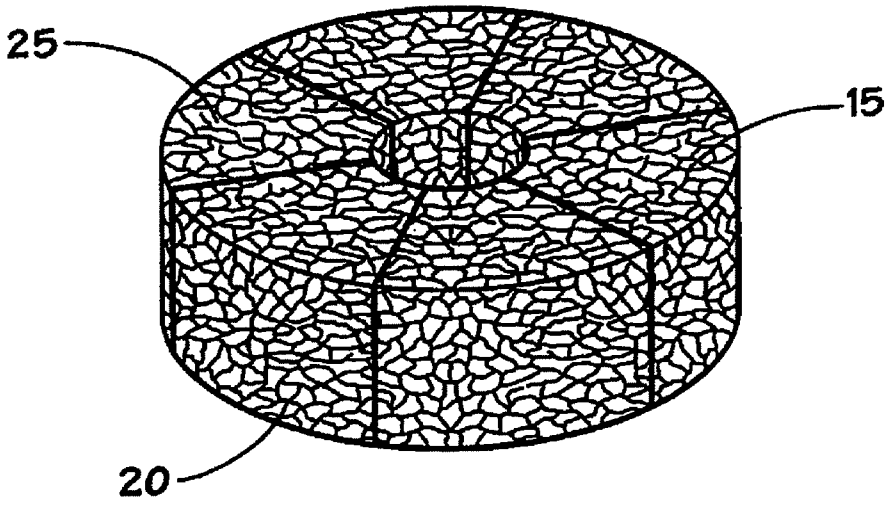


FIG. 28