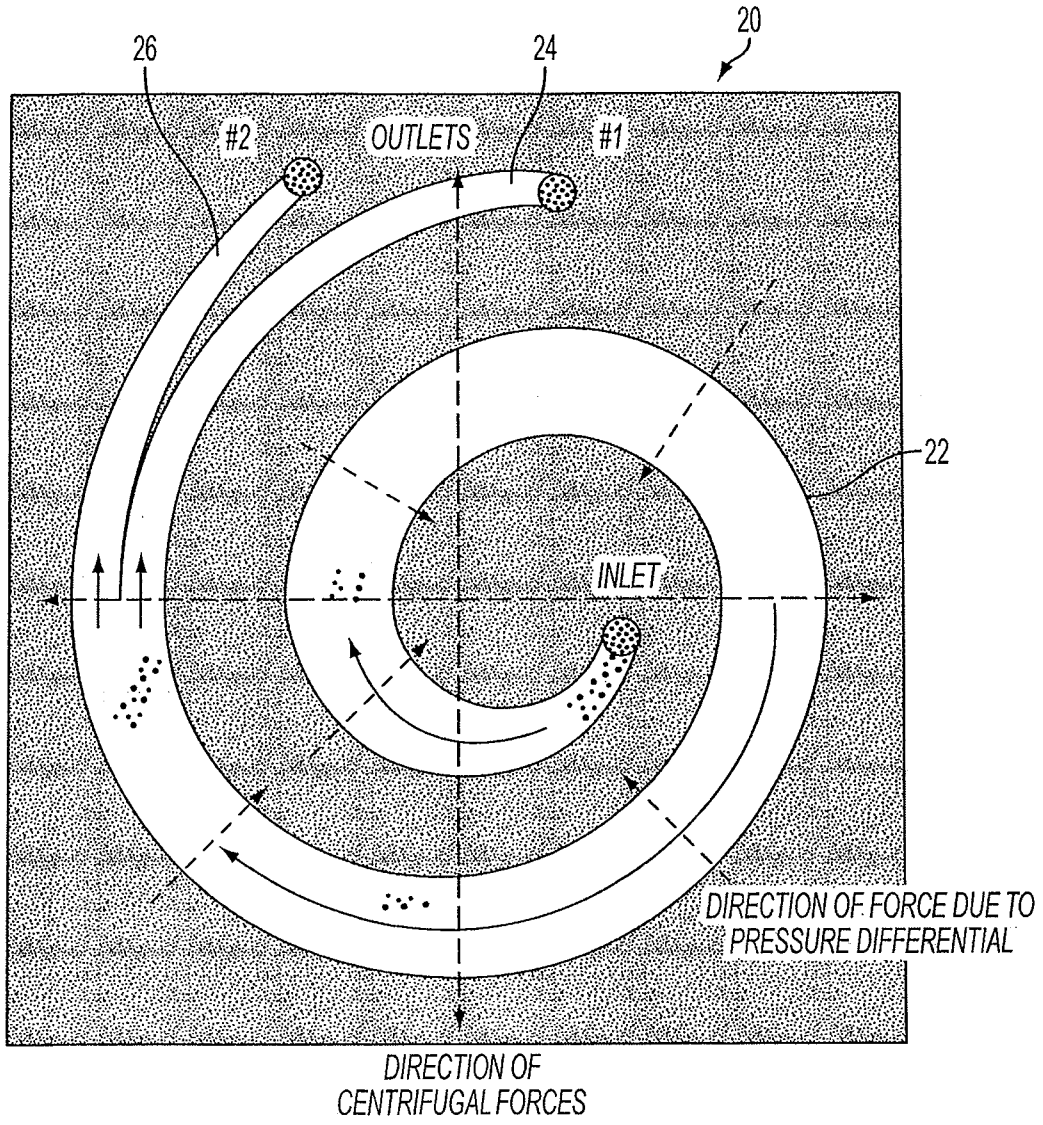

20
26
24
#2
OUTLETS
#1
22
INLET
DIRECTION OF FORCE DUE TO PRESSURE DIFFERENTIAL
DIRECTION OF CENTRIFUGAL FORCES

FIG. 1

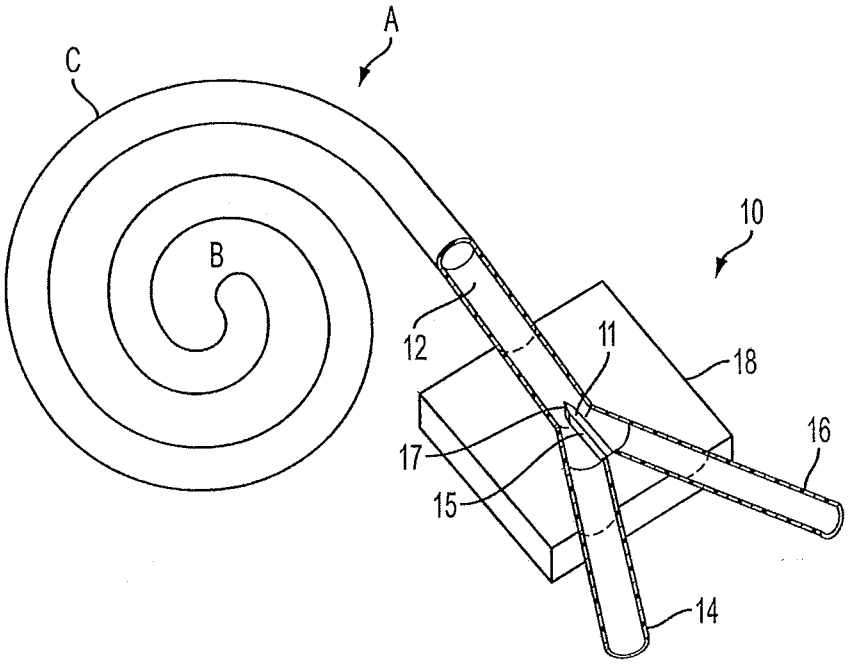


FIG. 2

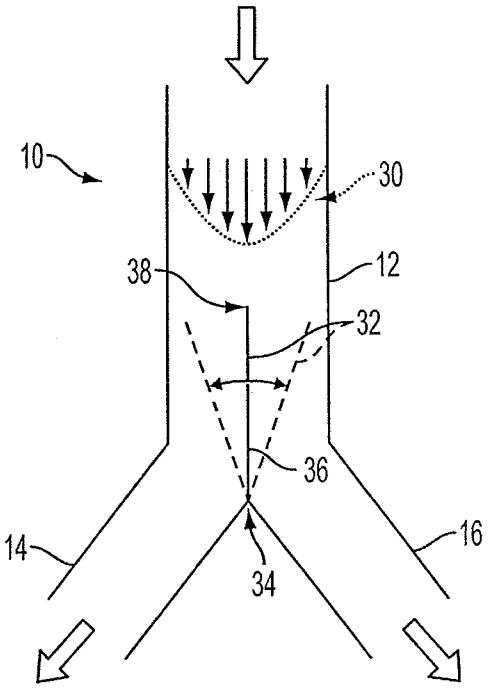


FIG. 3

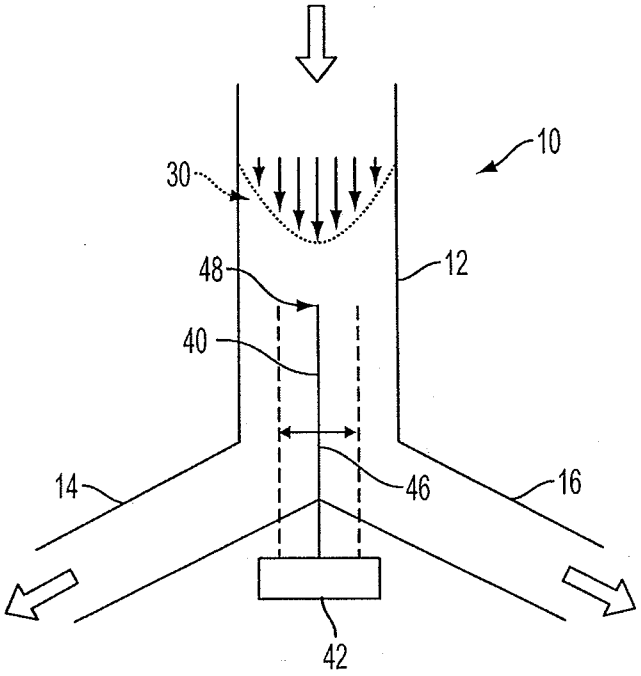


FIG. 4

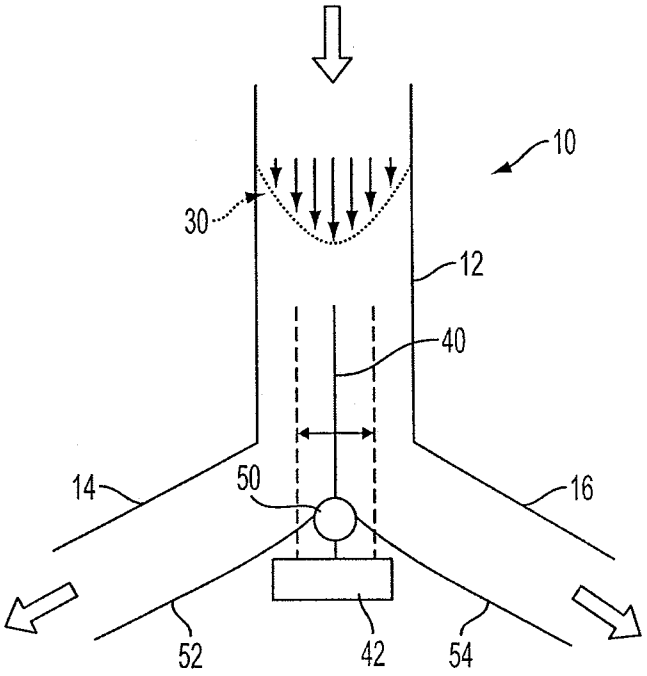


FIG. 5

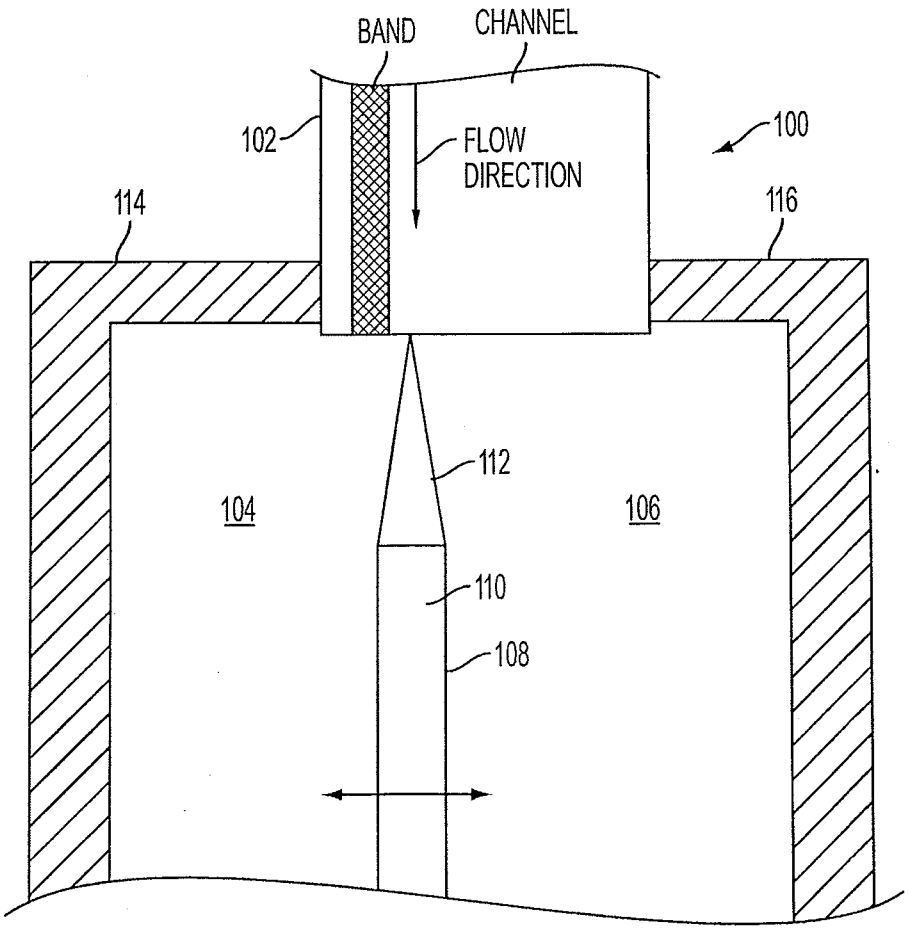

BAND
CHANNEL
102
FLOW
DIRECTION
100
114
116
112
104
106
110
108

FIG. 6

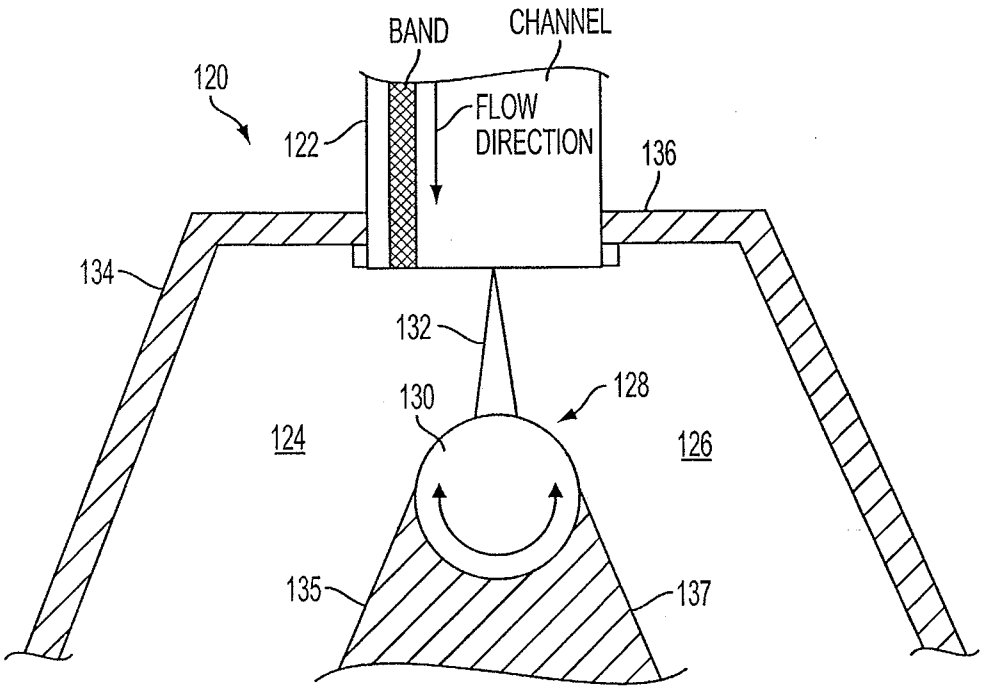

BAND
CHANNEL
120
122
FLOW
DIRECTION
136
134
132
130
128
124
126
135
137

FIG. 7

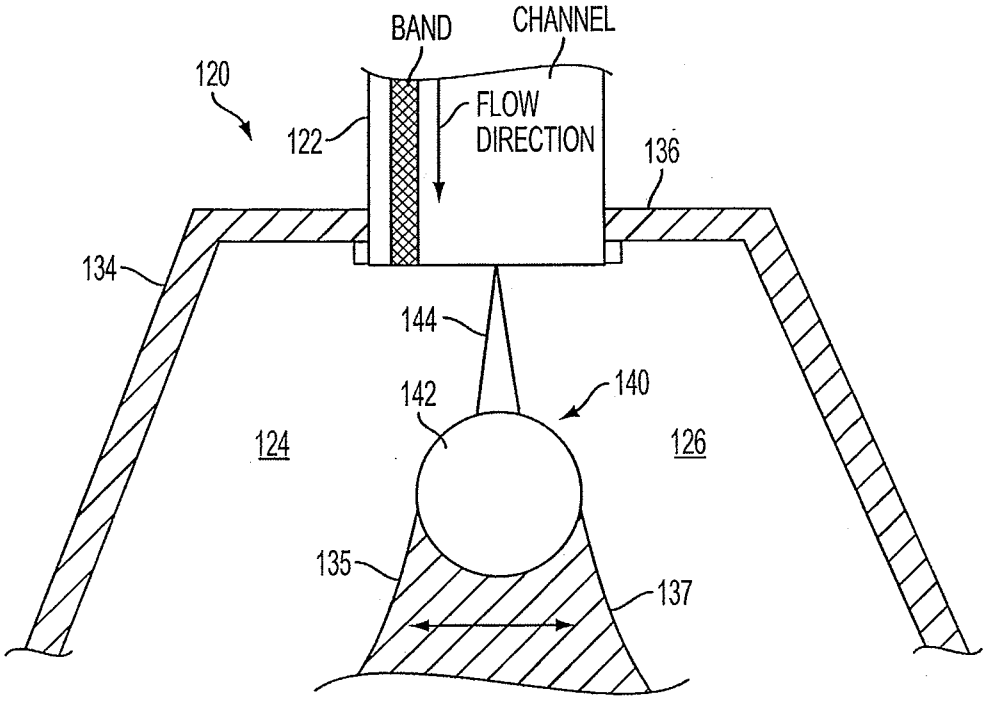

BAND
CHANNEL
120
122
FLOW
DIRECTION
136
134
144
142
140
124
126
135
137

FIG. 8

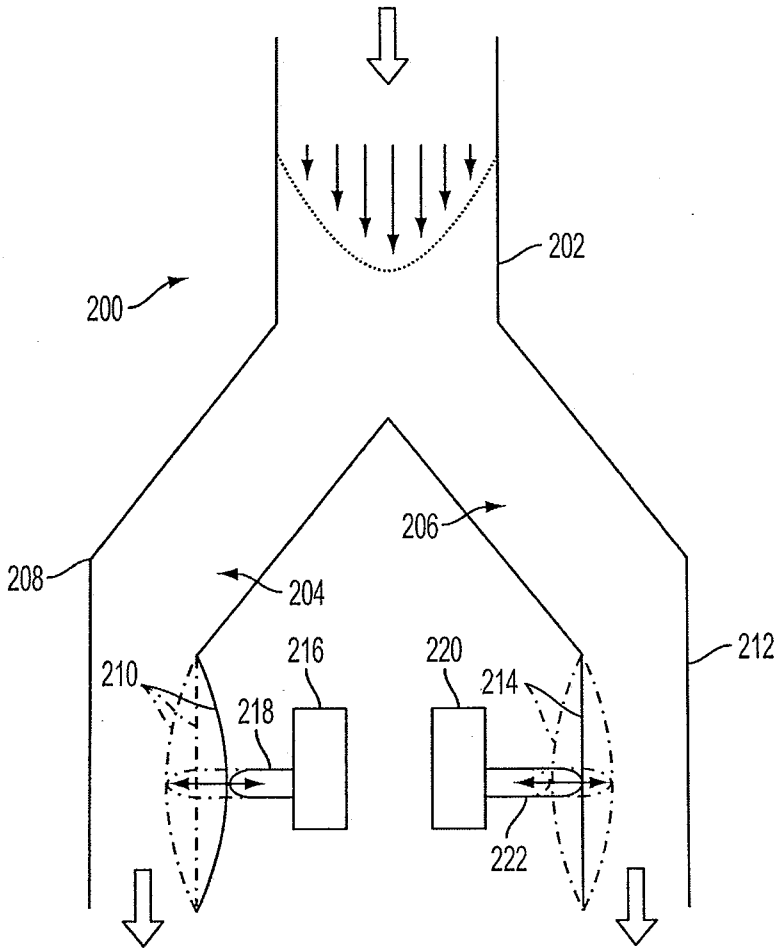


FIG. 9

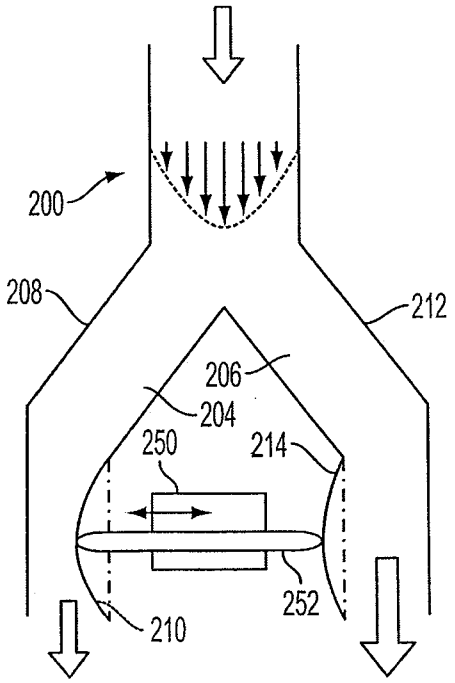


FIG. 10(a)

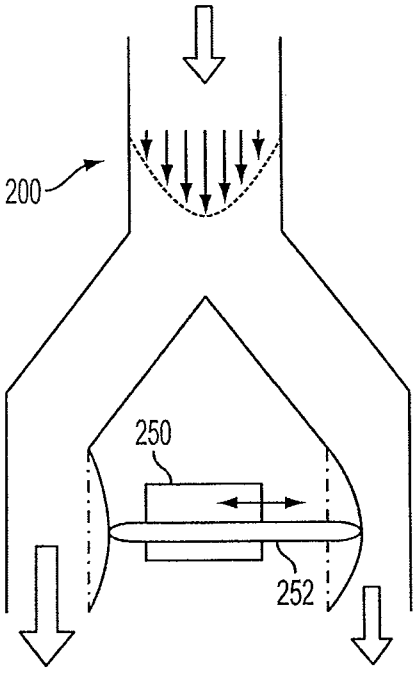


FIG. 10(b)

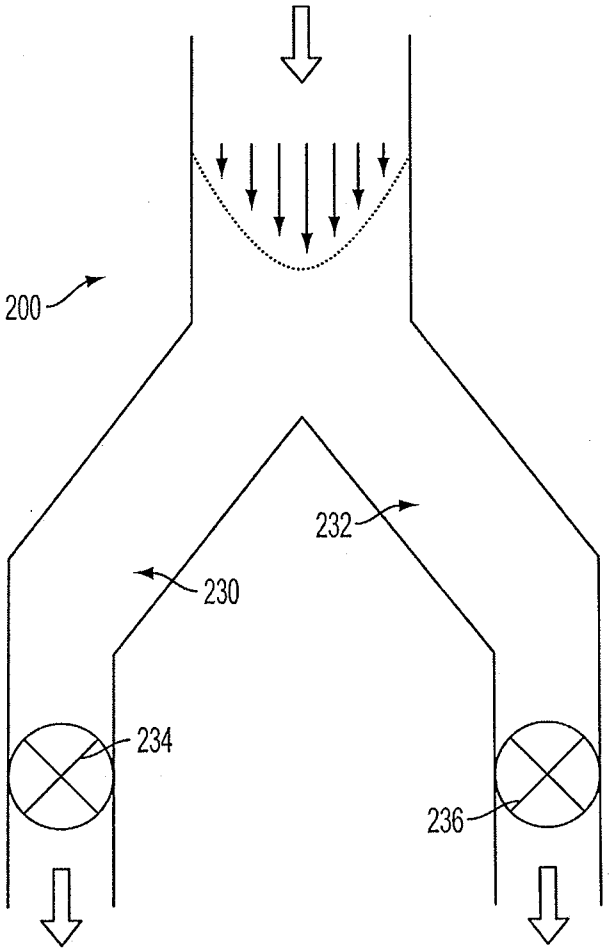


FIG. 11

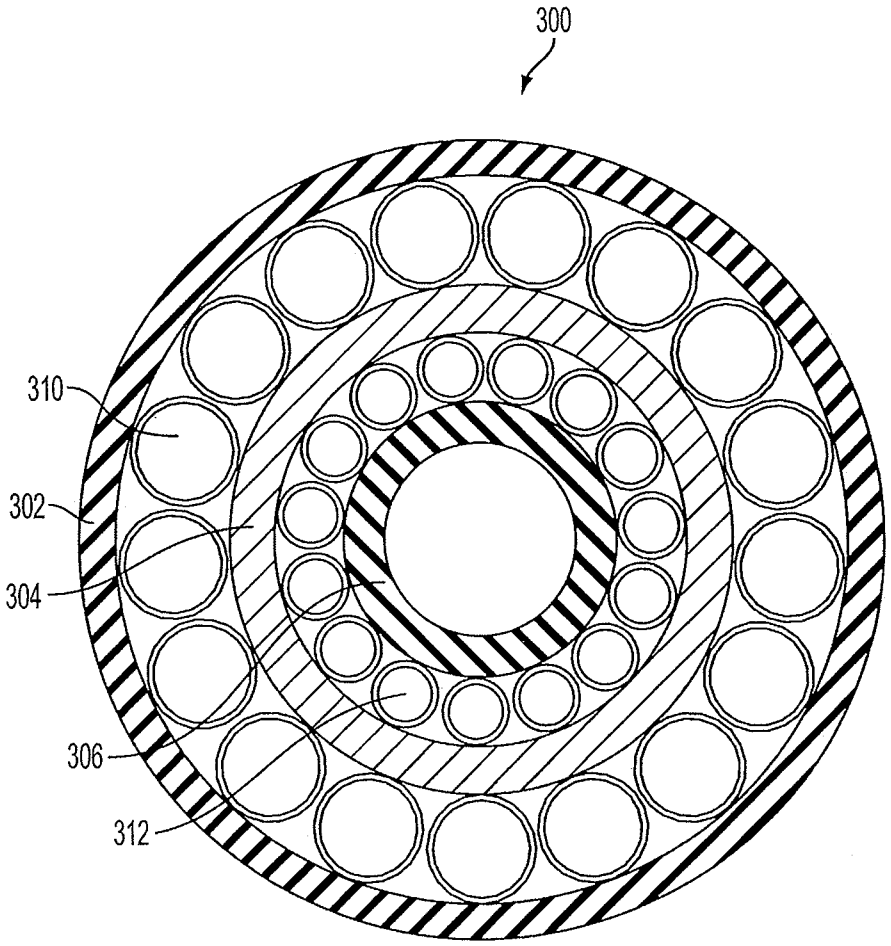


FIG. 12

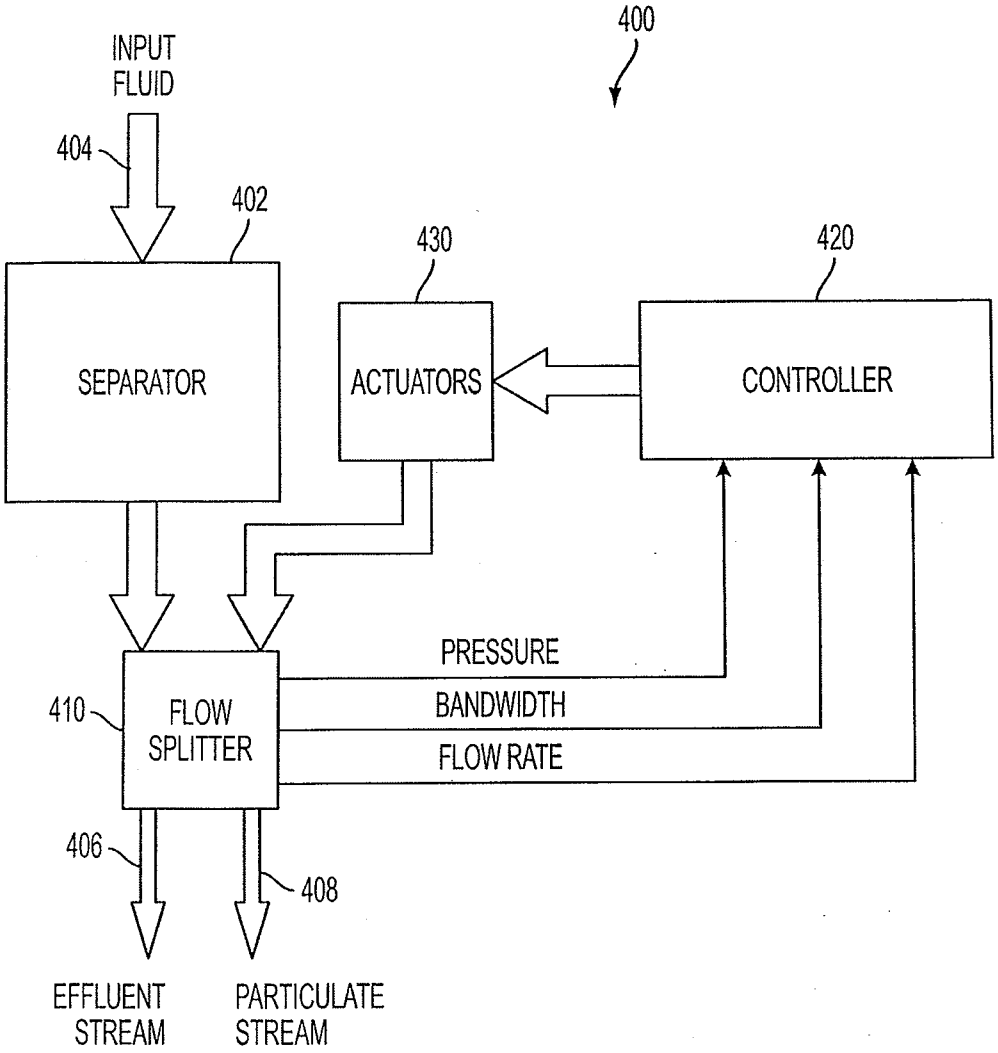

400
INPUT
FLUID
404
402
430
420
SEPARATOR
ACTUATORS
CONTROLLER
PRESSURE
BANDWIDTH
FLOW RATE
410
FLOW
SPLITTER
406
408
EFFLUENT
STREAM
PARTICULATE
STREAM

FIG. 13