

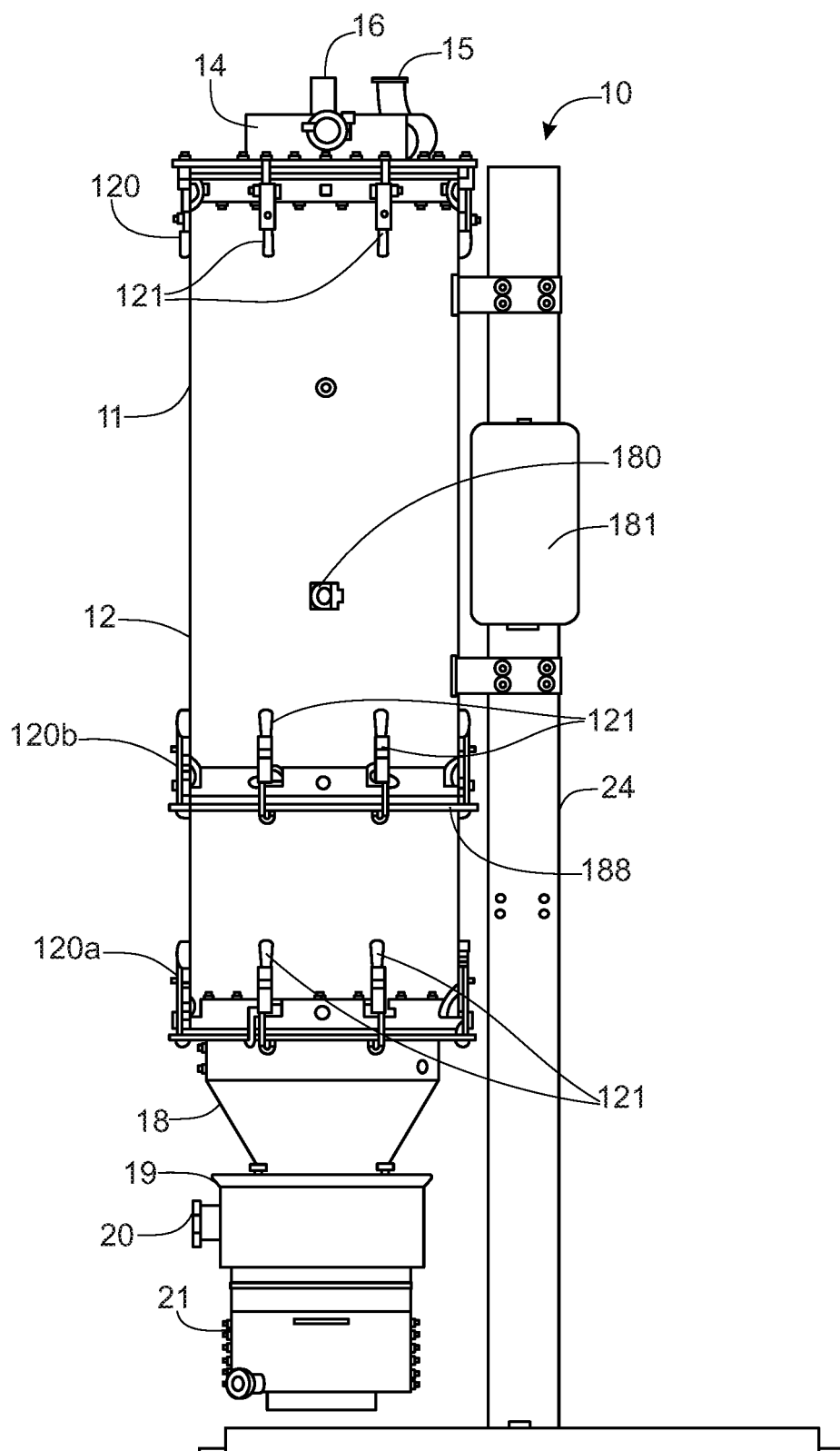


FIG. 1

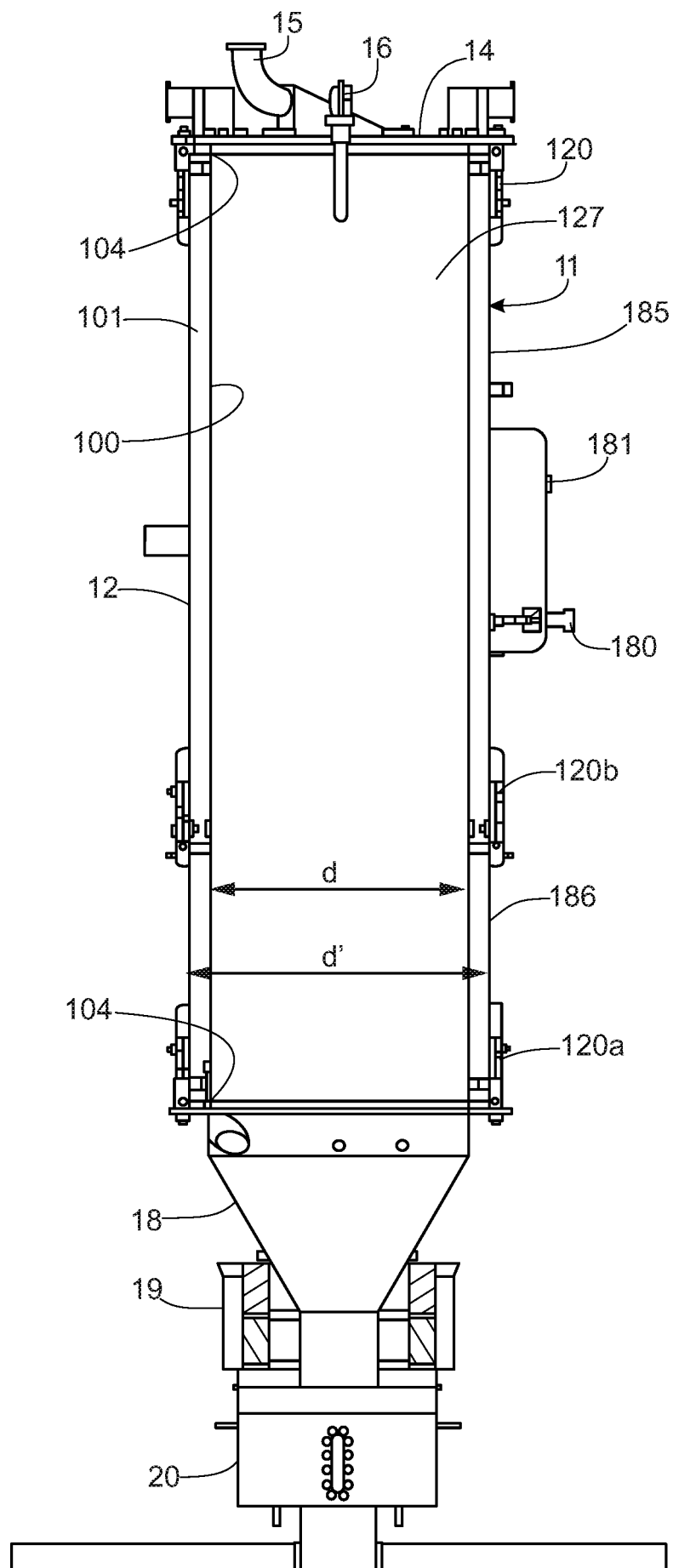


FIG. 2

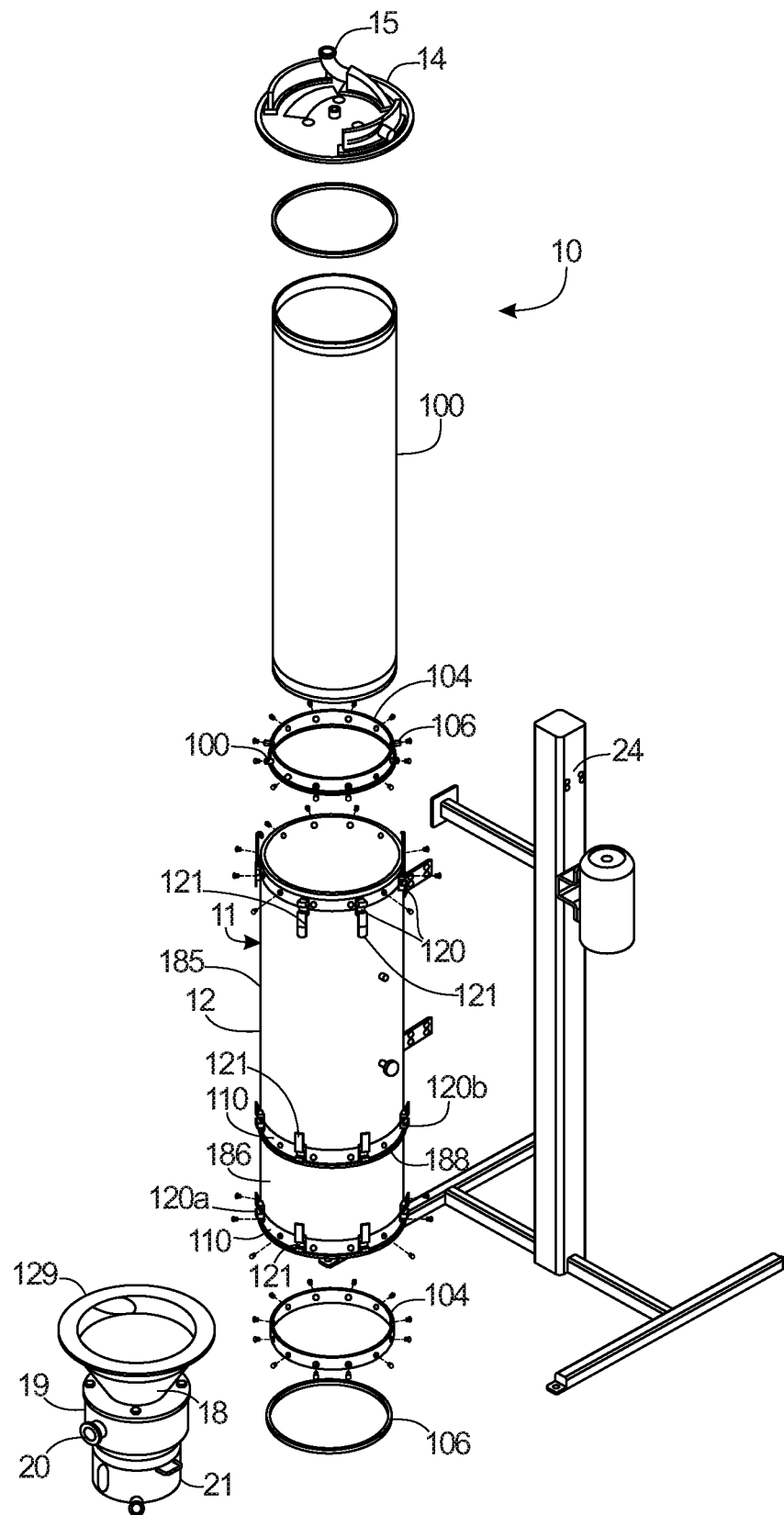


FIG. 3

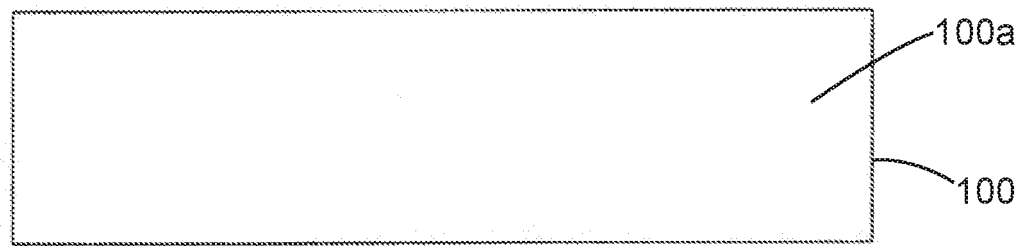


FIG. 3A

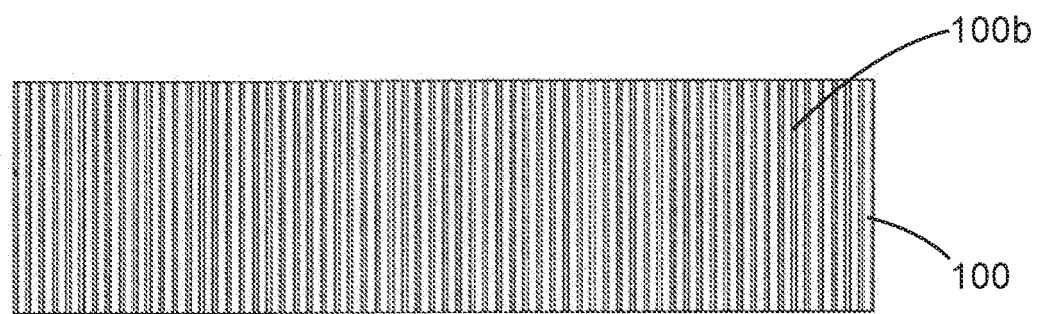


FIG. 3B

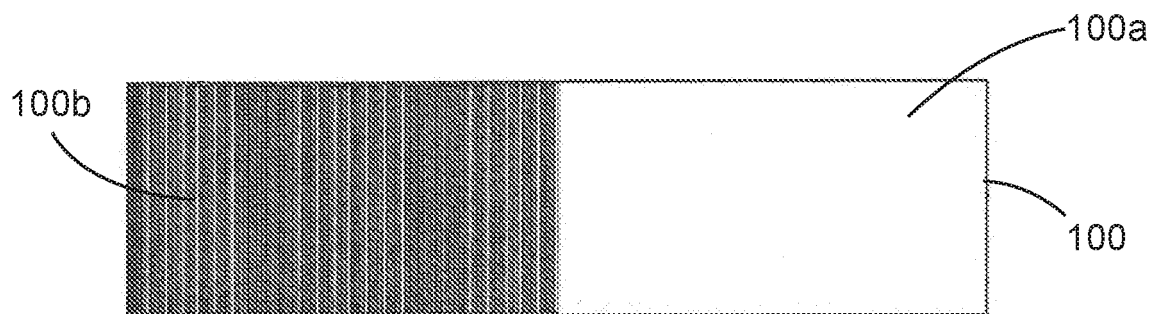


FIG. 3C

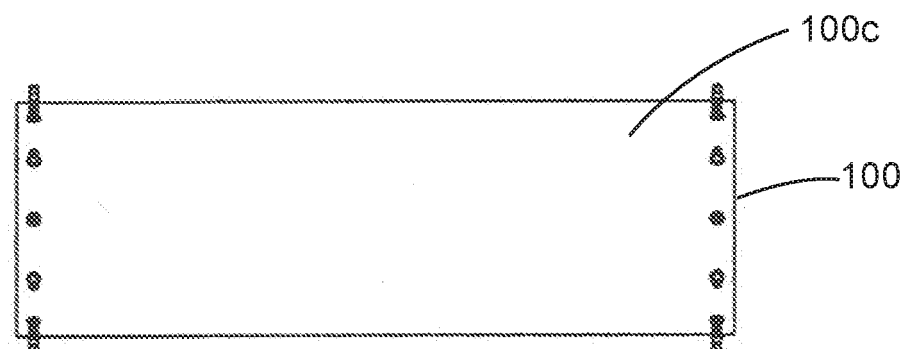


FIG. 3D

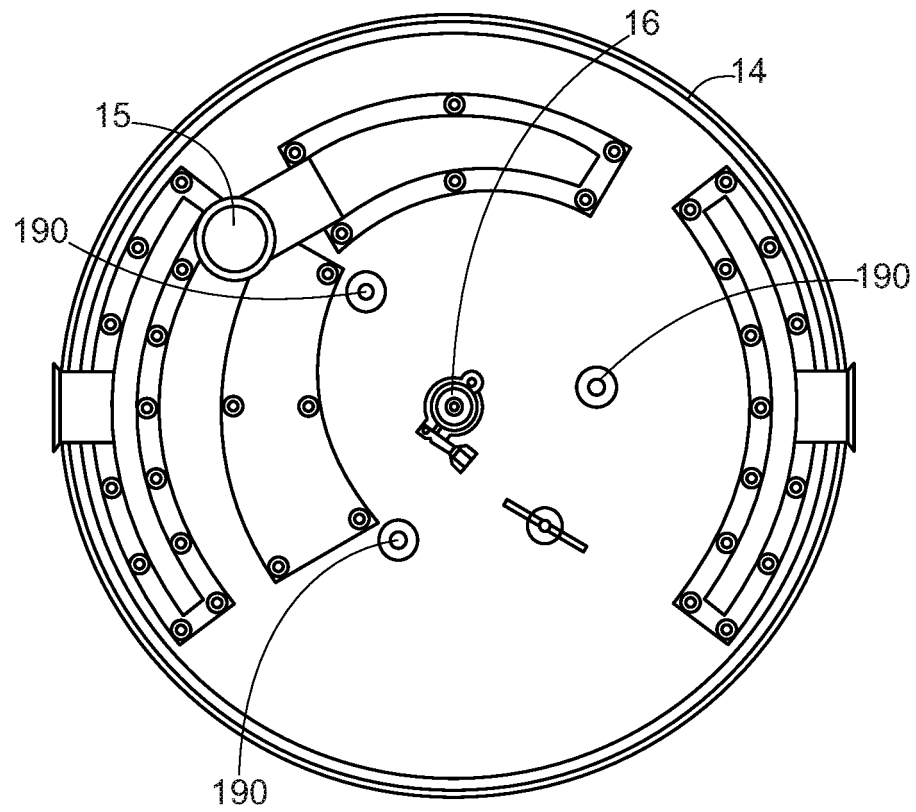


FIG. 4

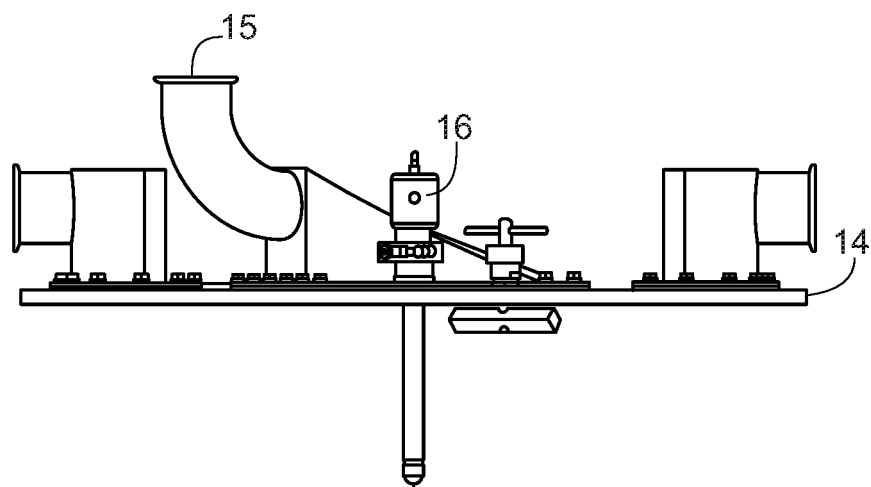


FIG. 5

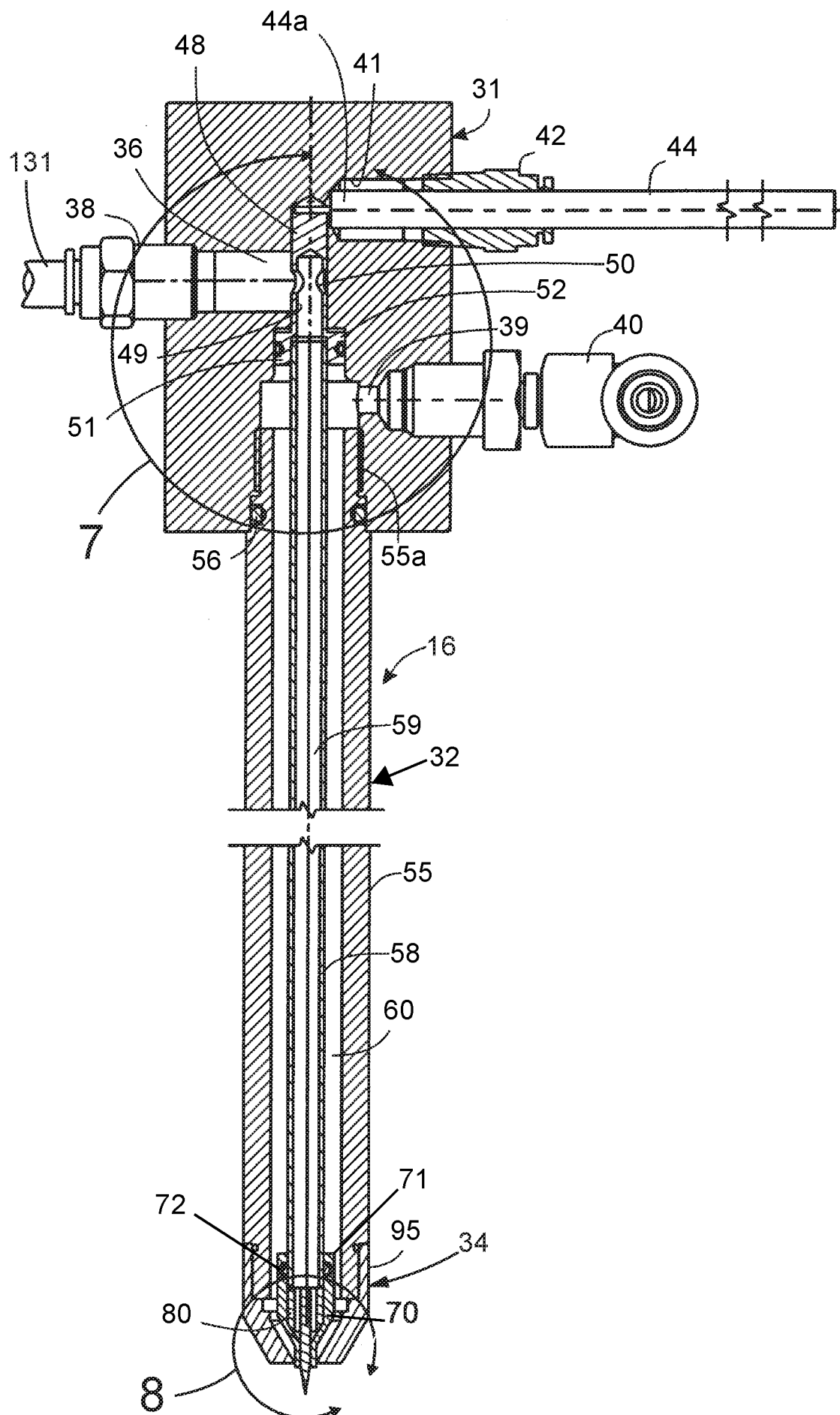


FIG. 6

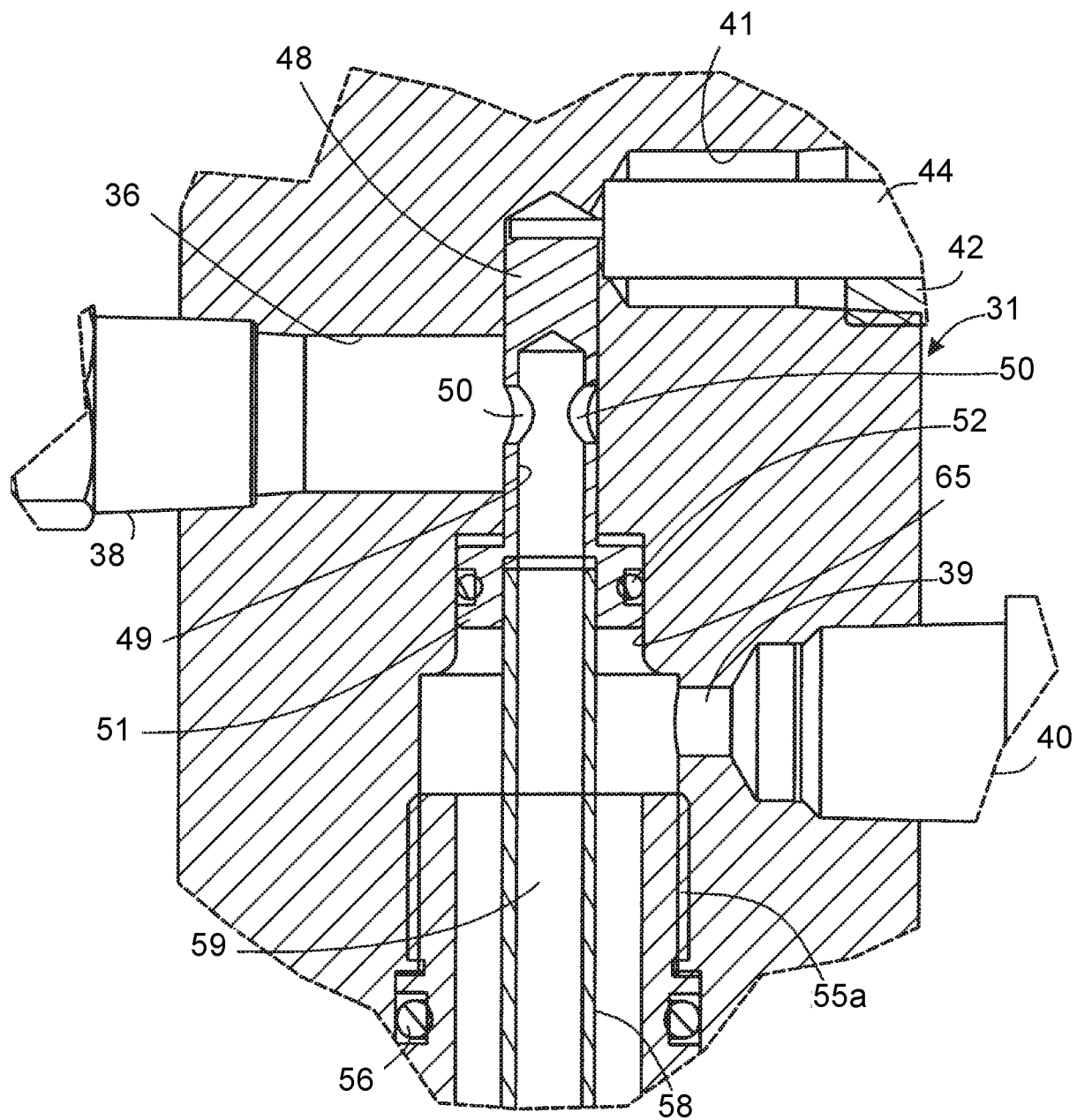


FIG. 7

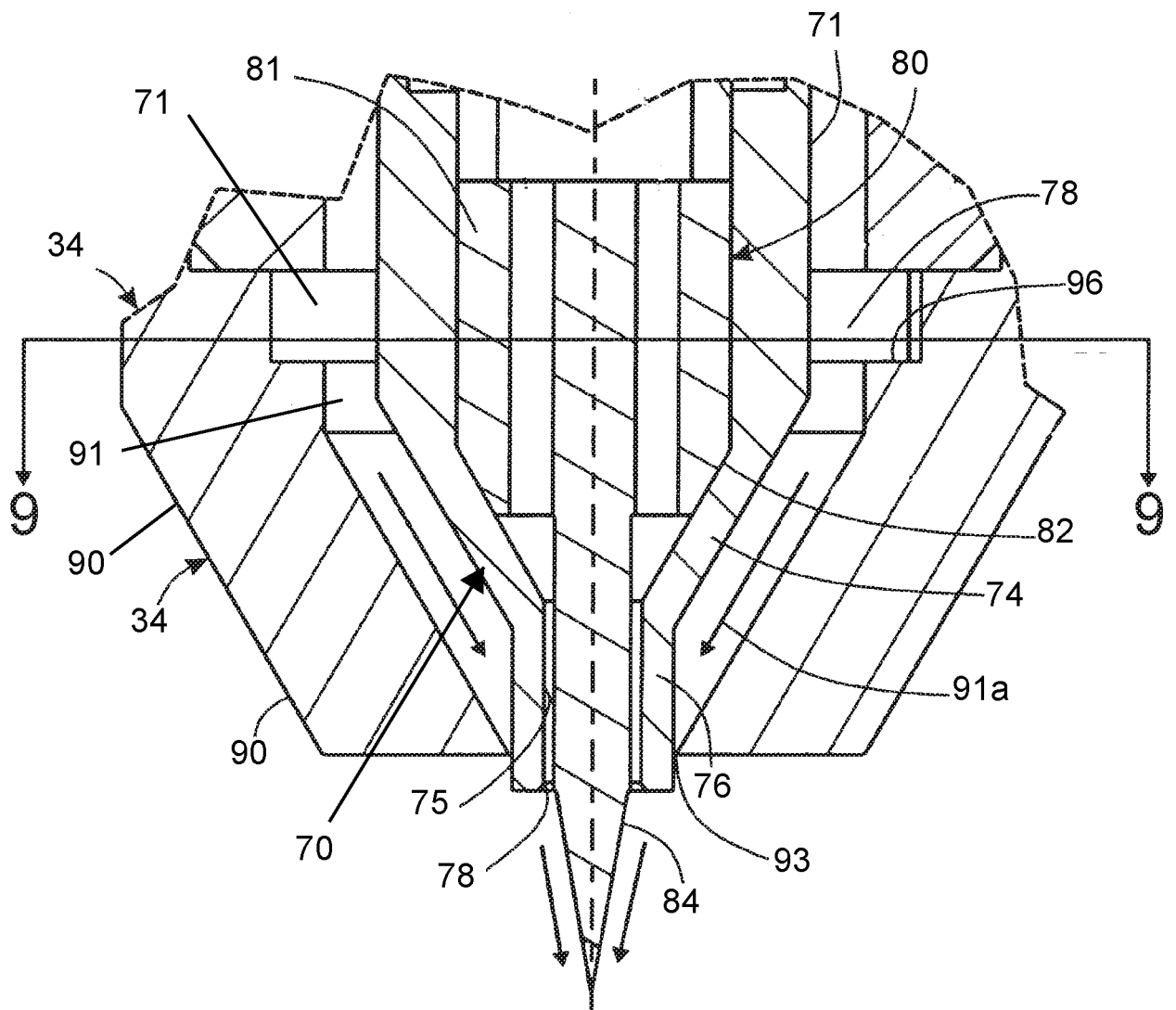


FIG. 8

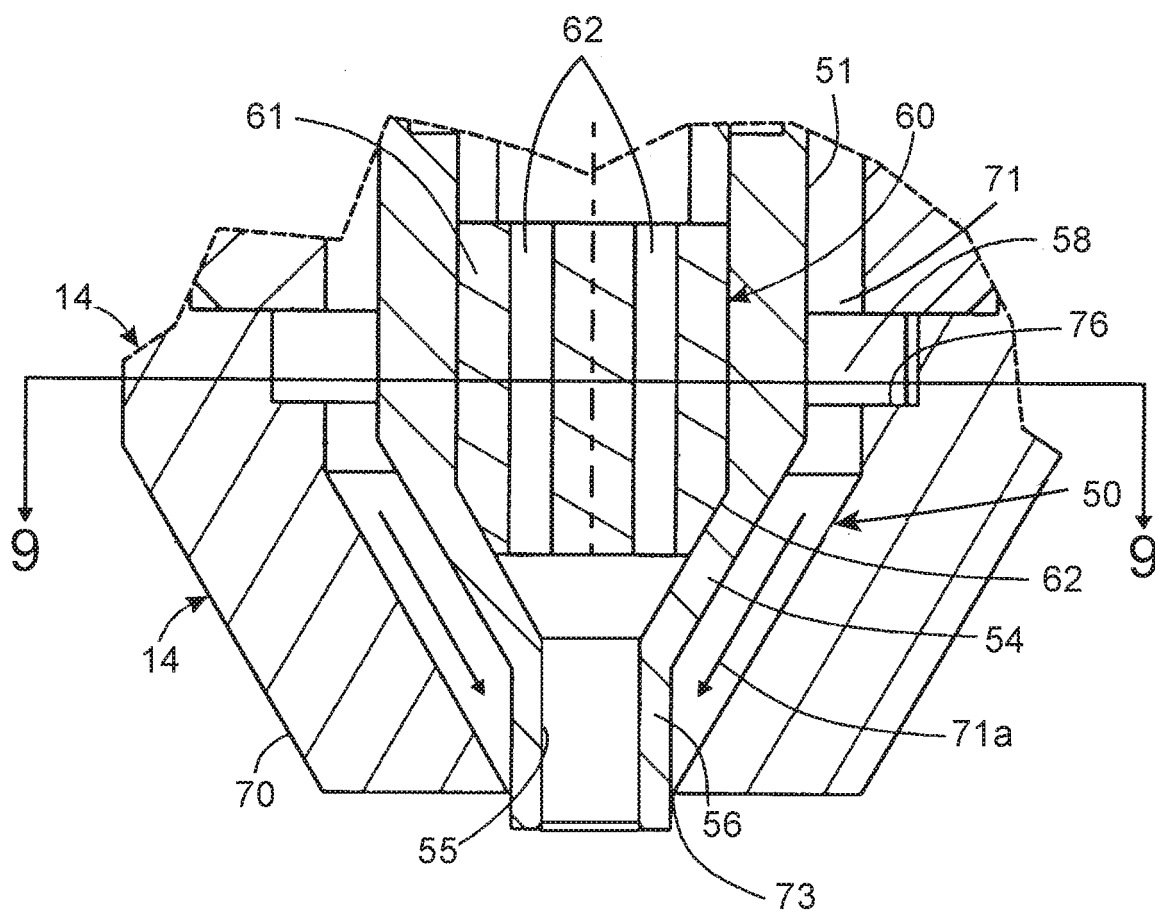


FIG. 8A

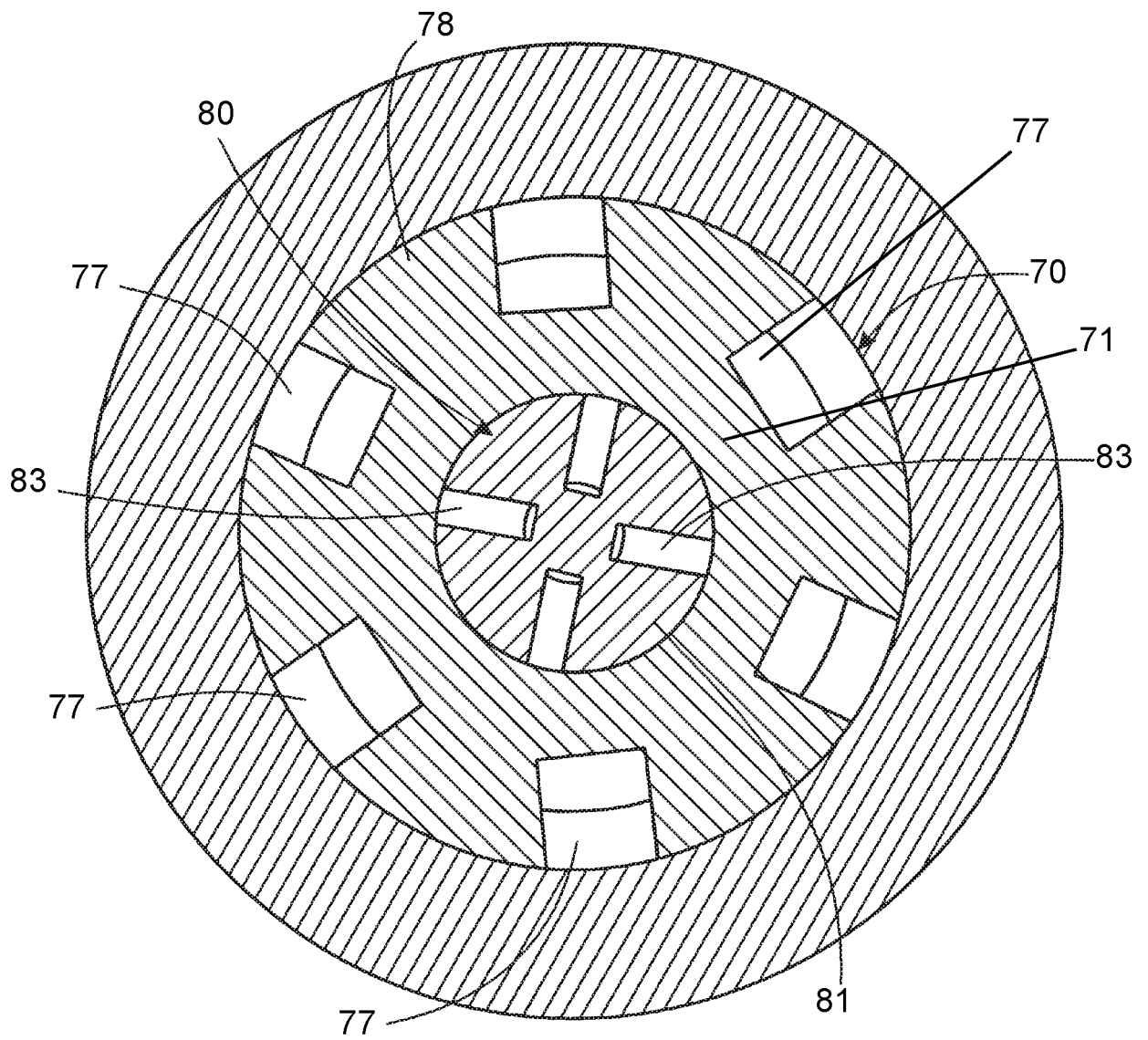


FIG. 9

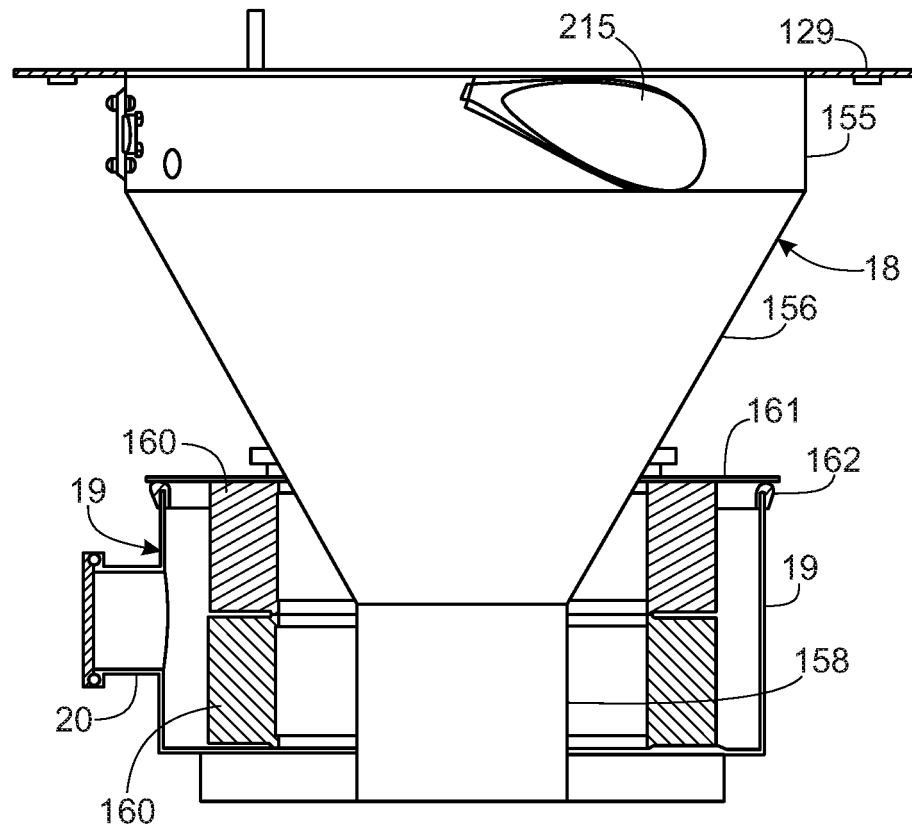


FIG. 10

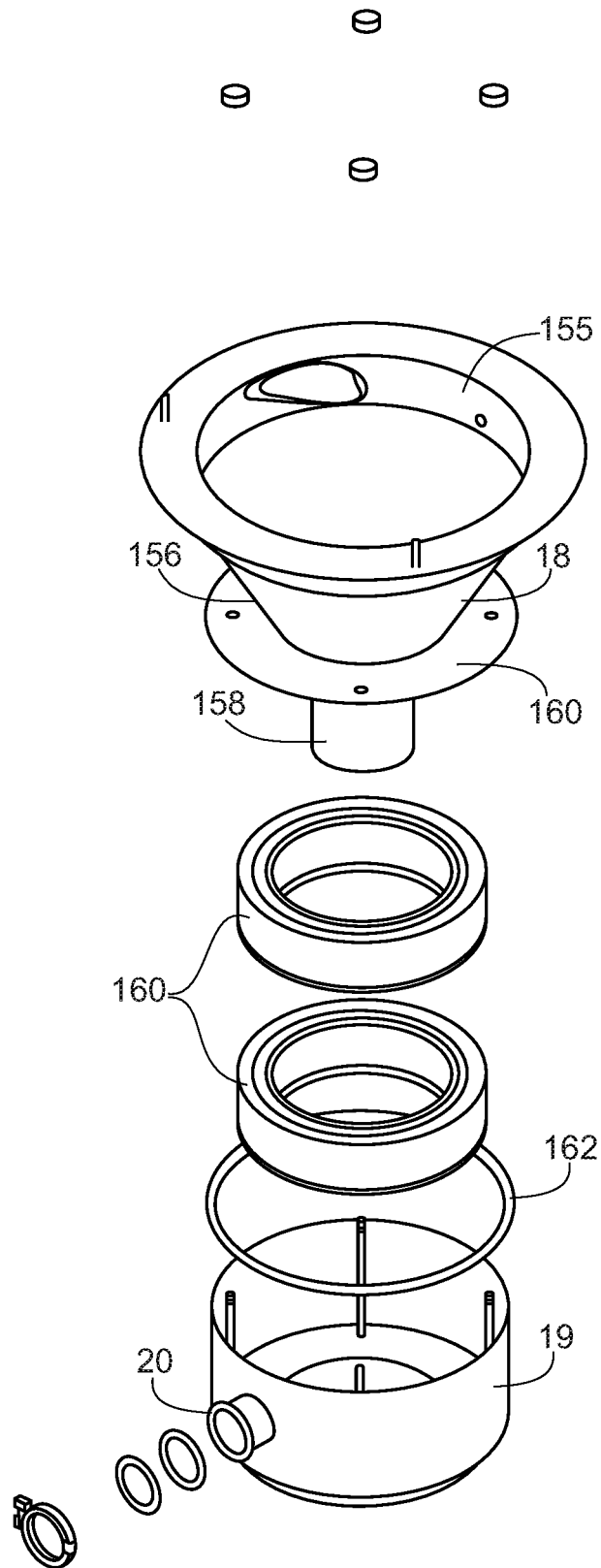


FIG. 10A

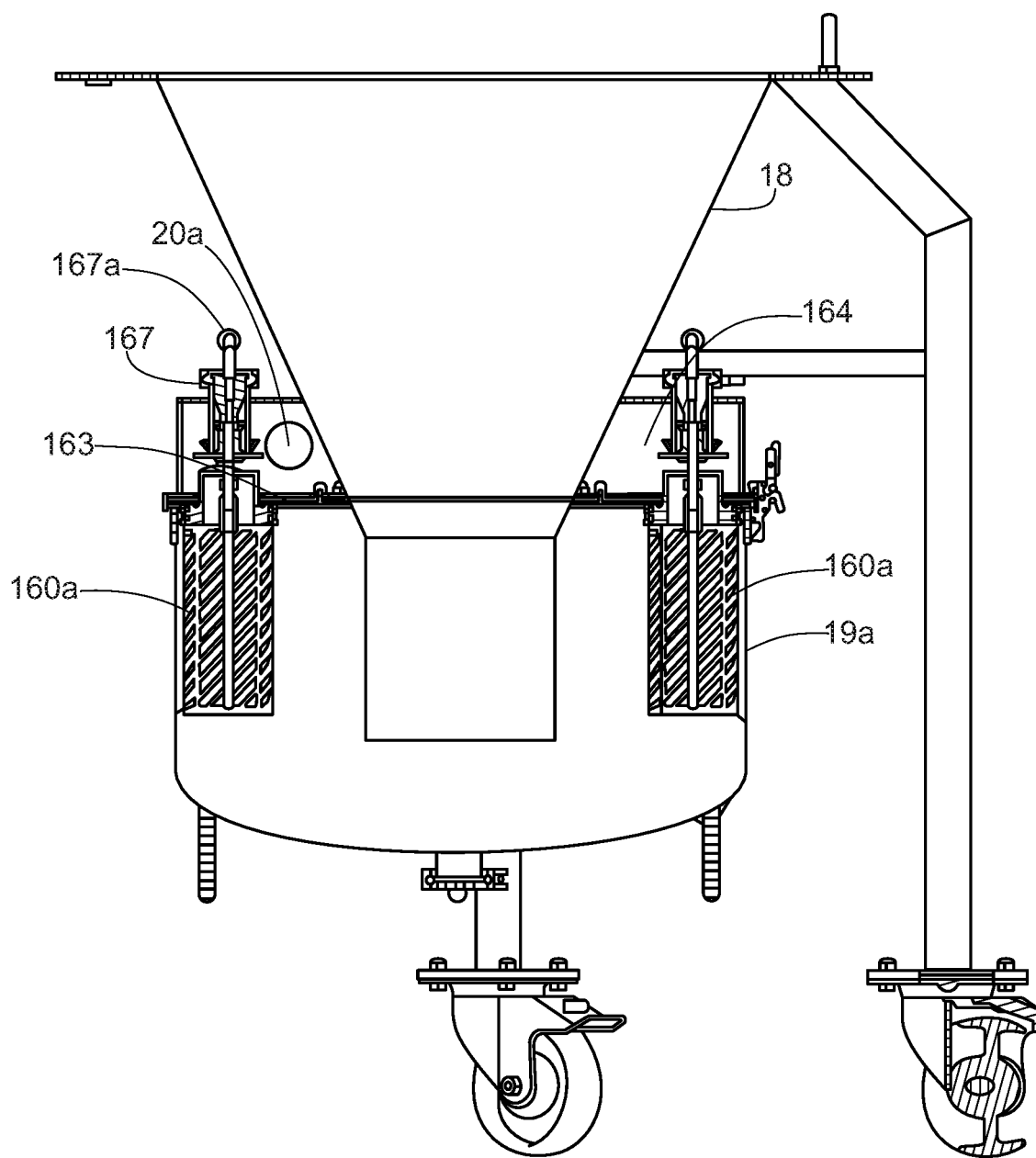


FIG. 11

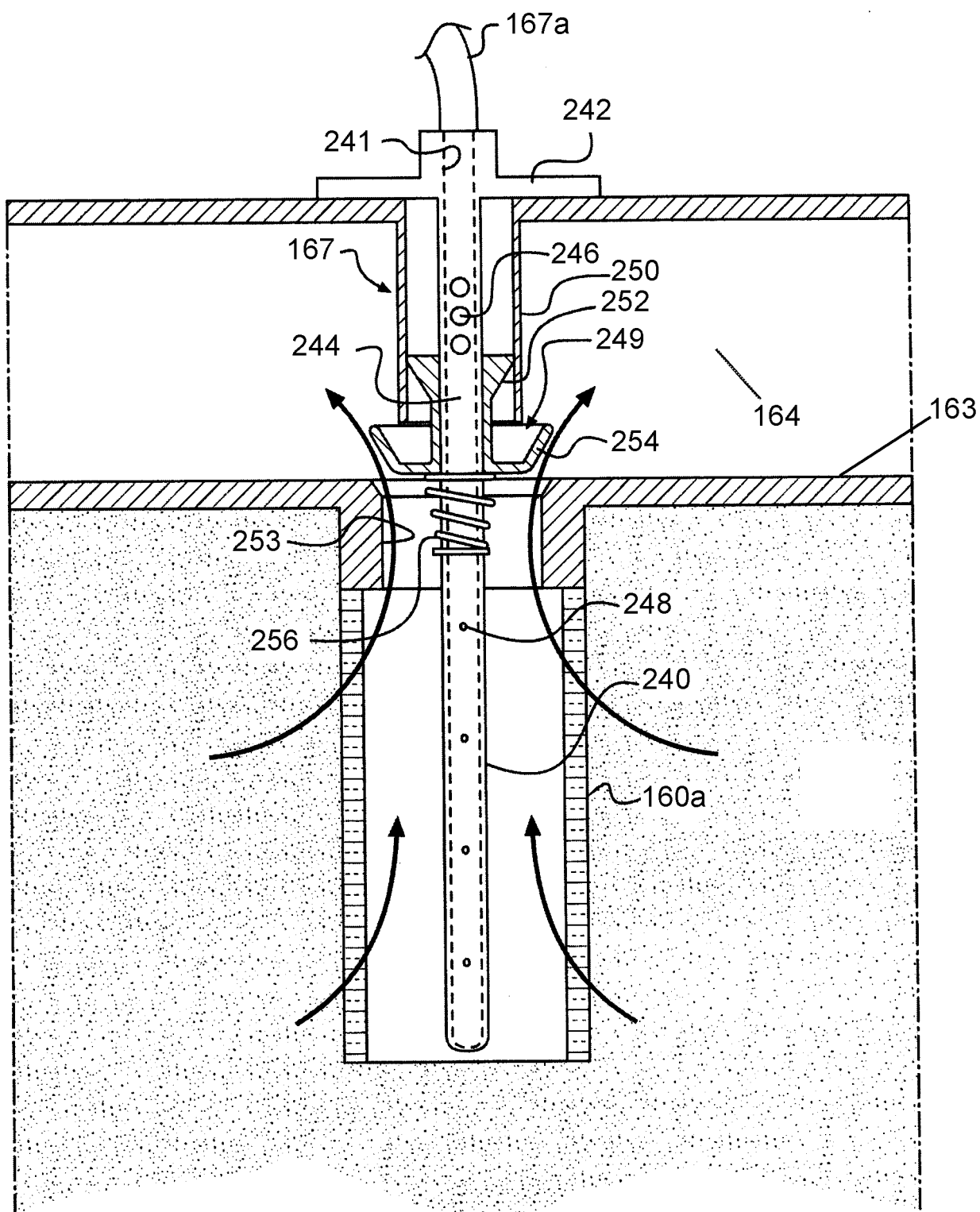


FIG. 11A

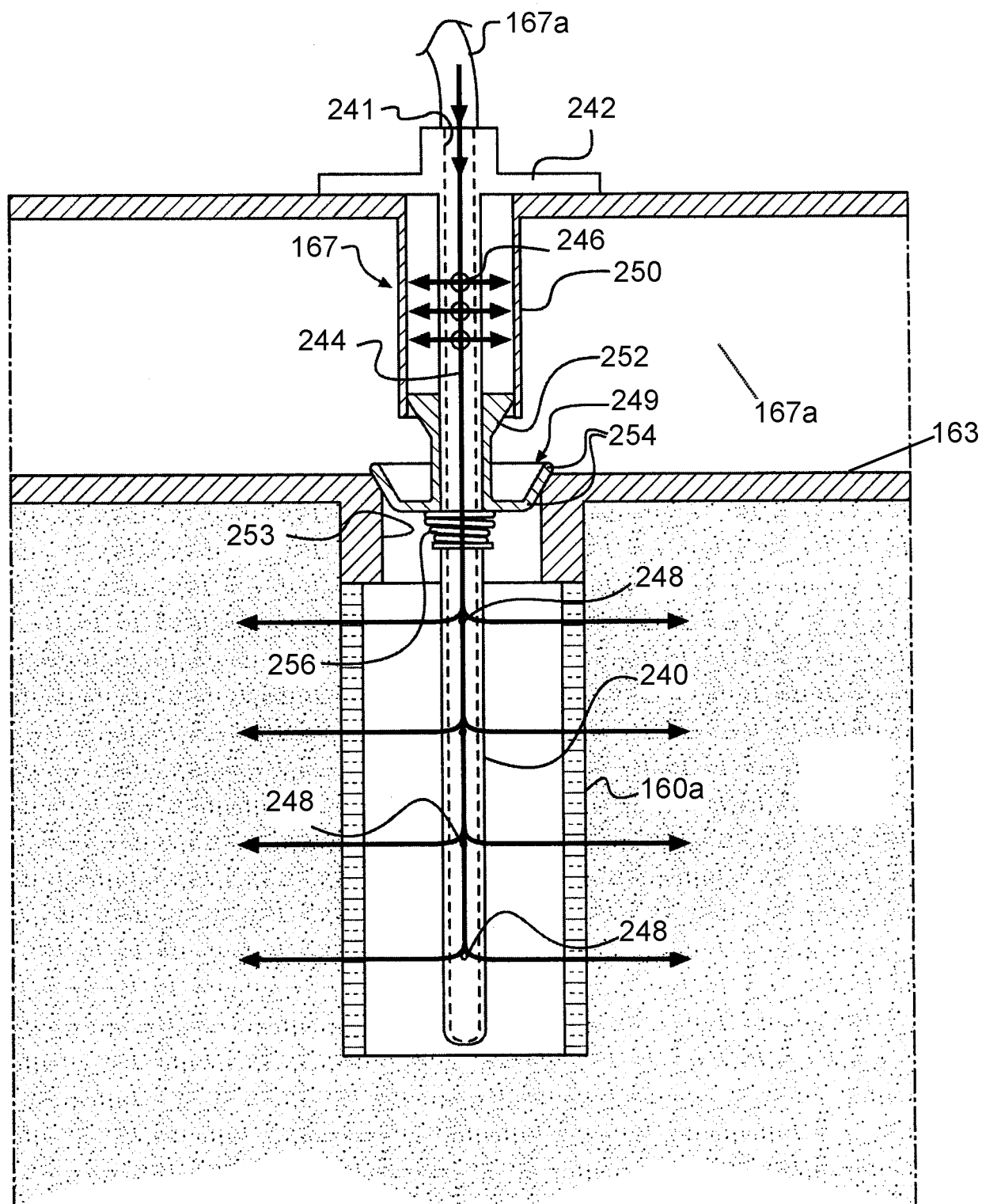


FIG. 11B

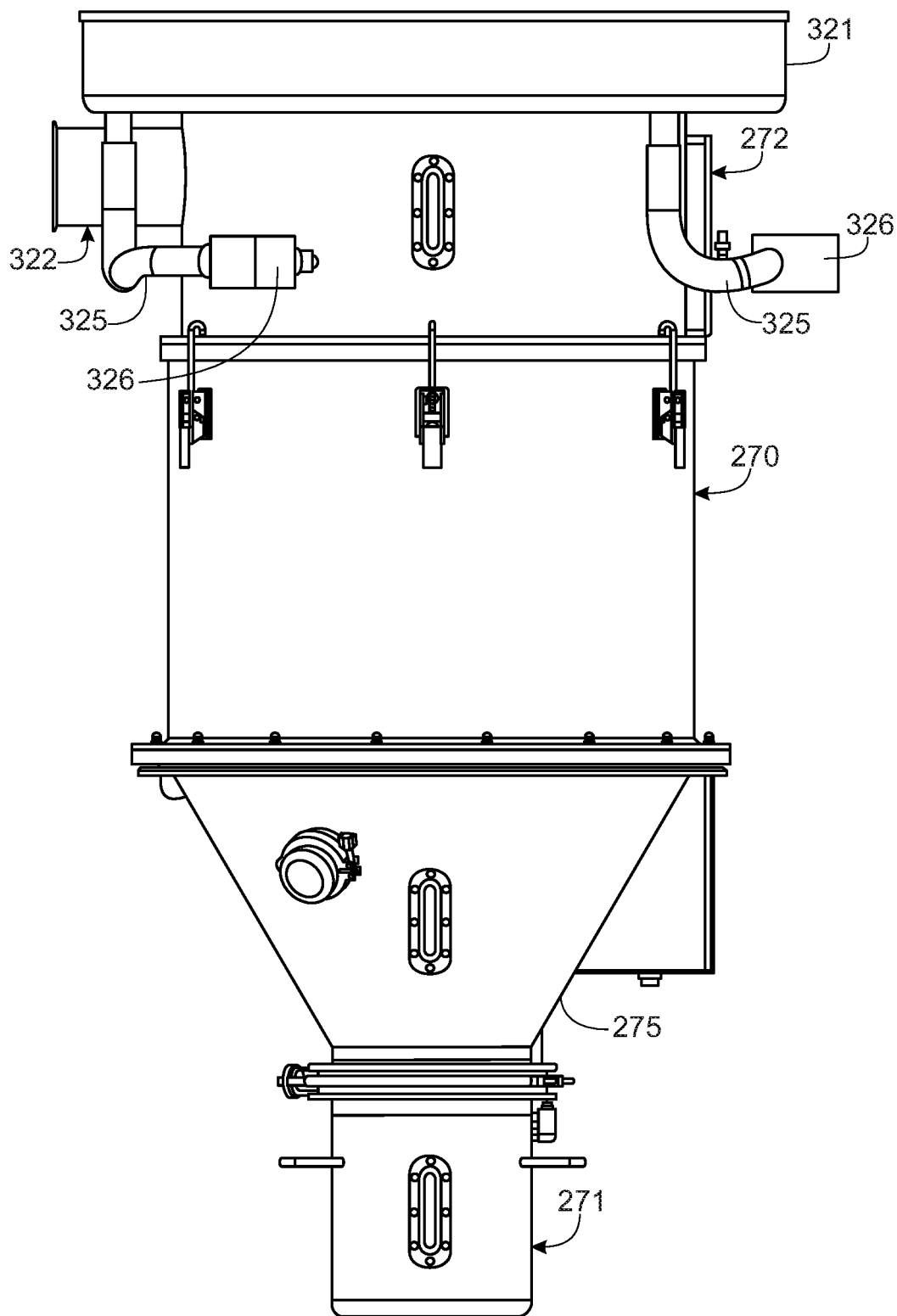


FIG. 12

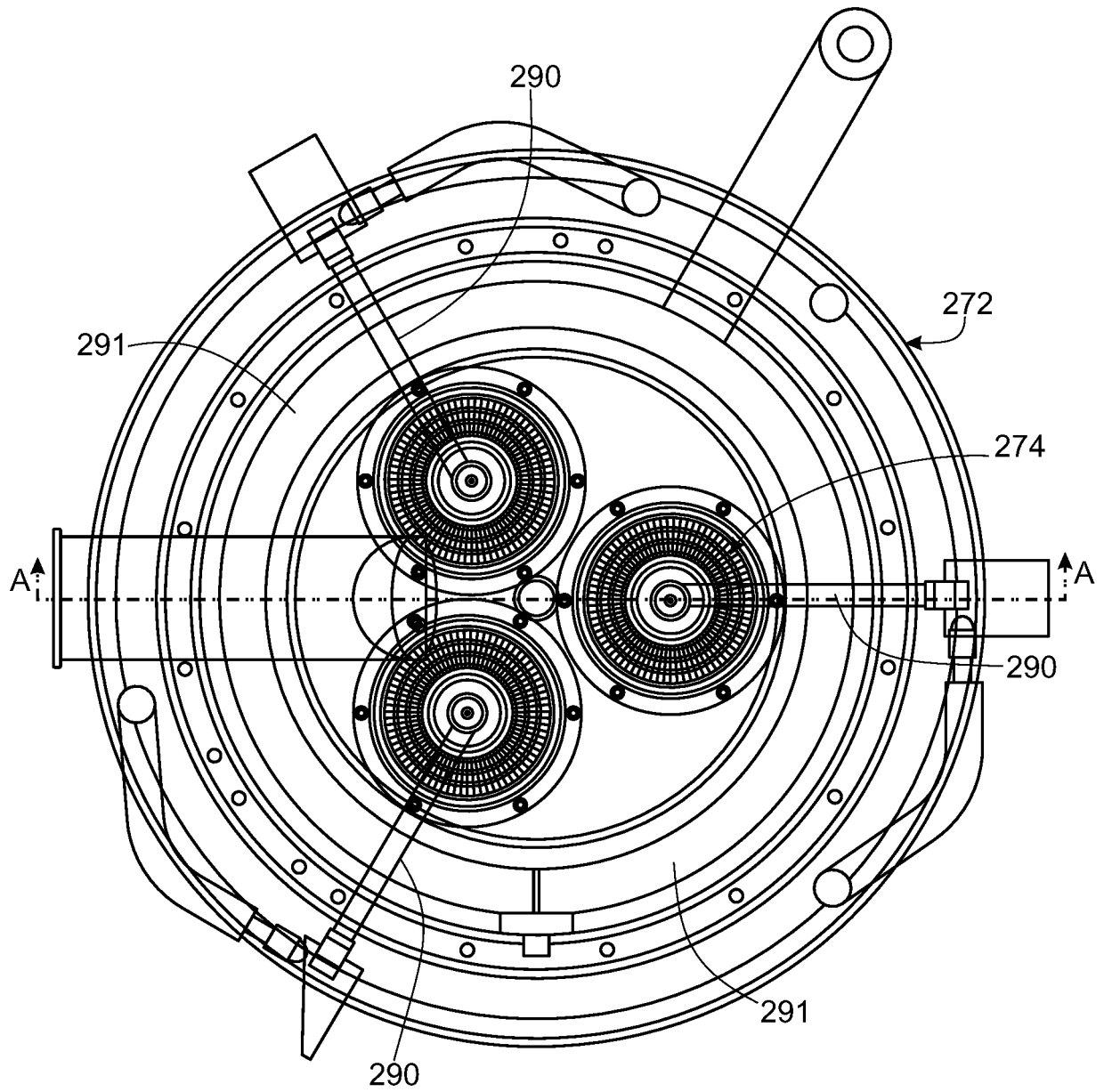


FIG. 12A

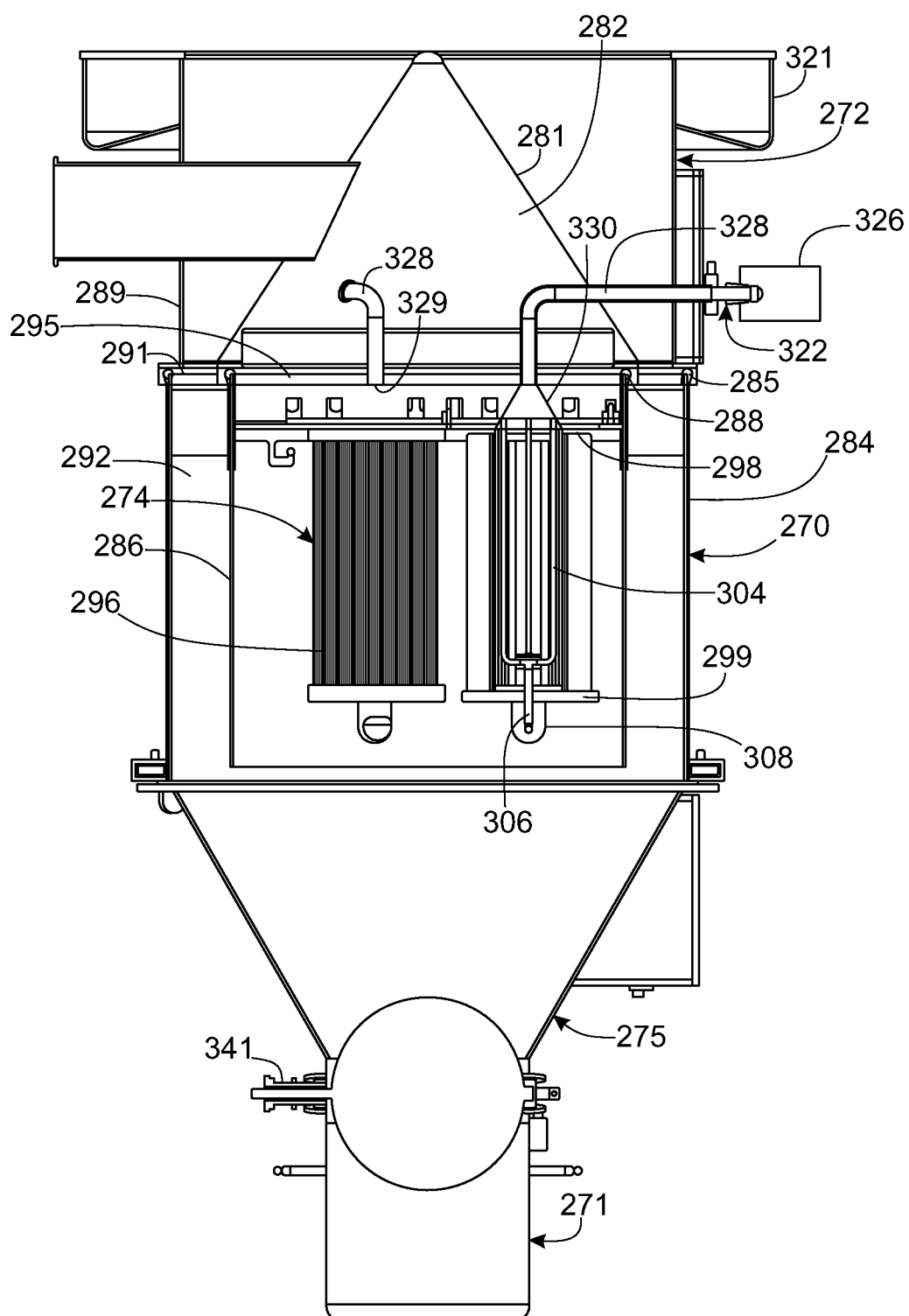


FIG. 12B

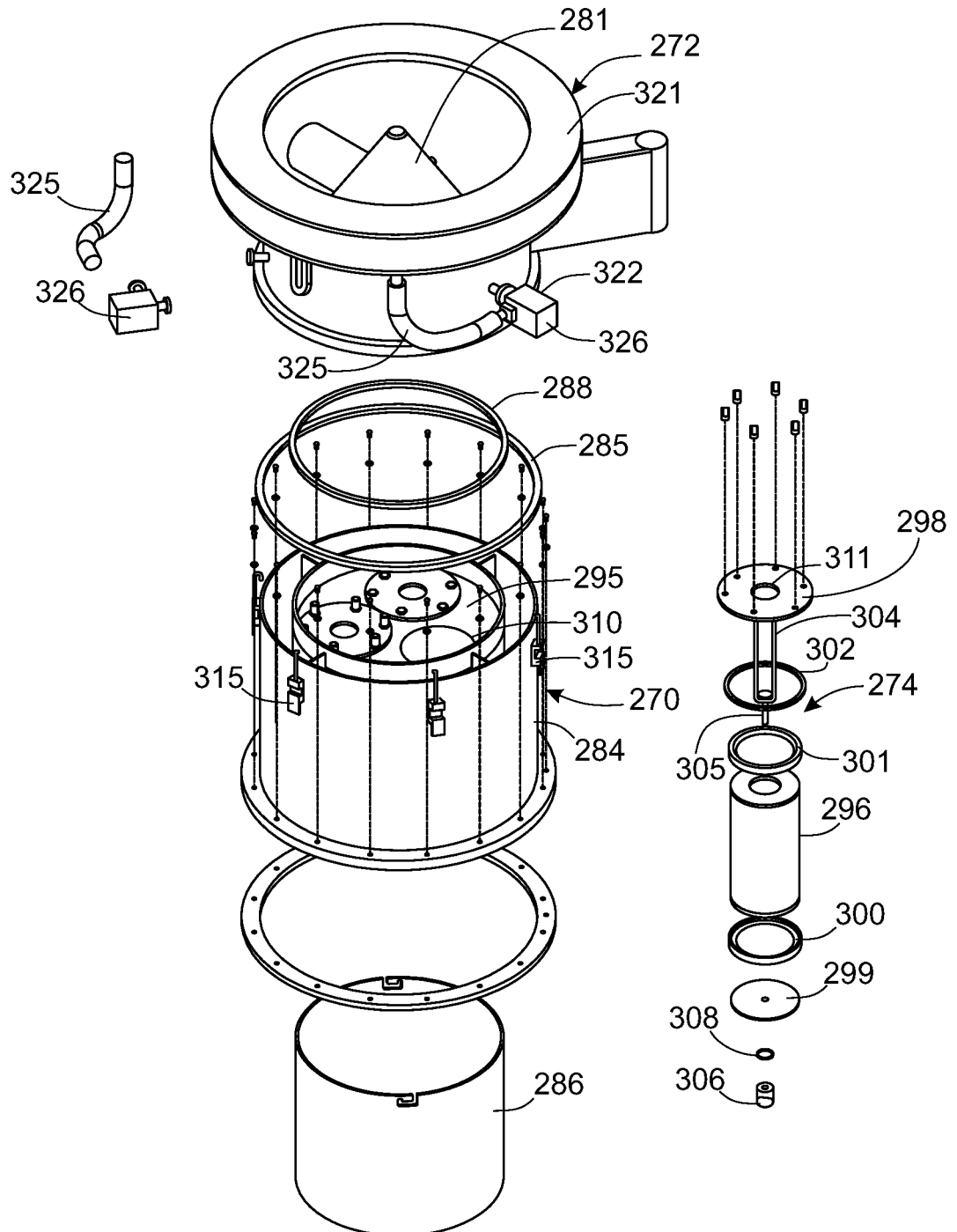


FIG. 12C

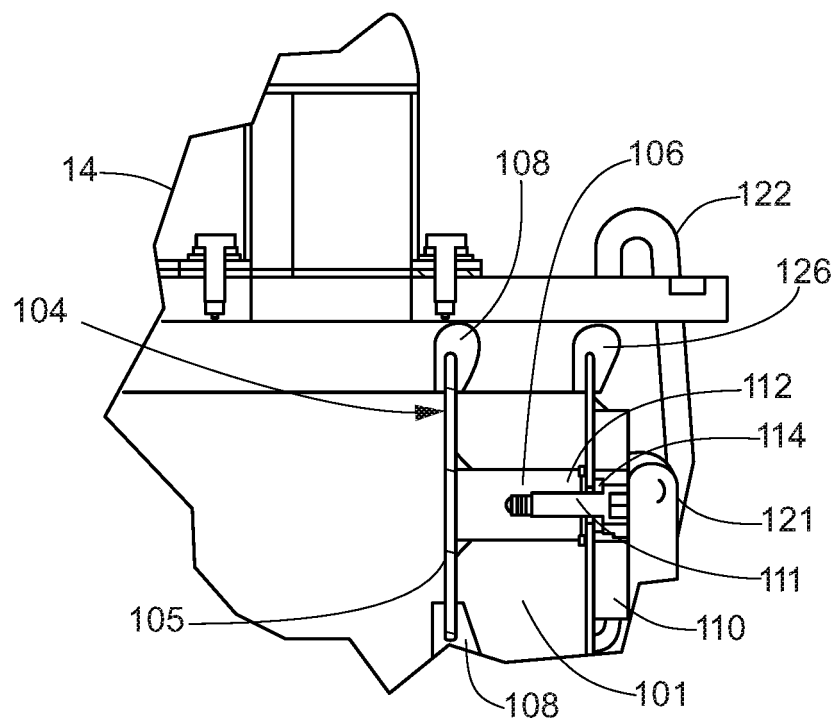


FIG. 13

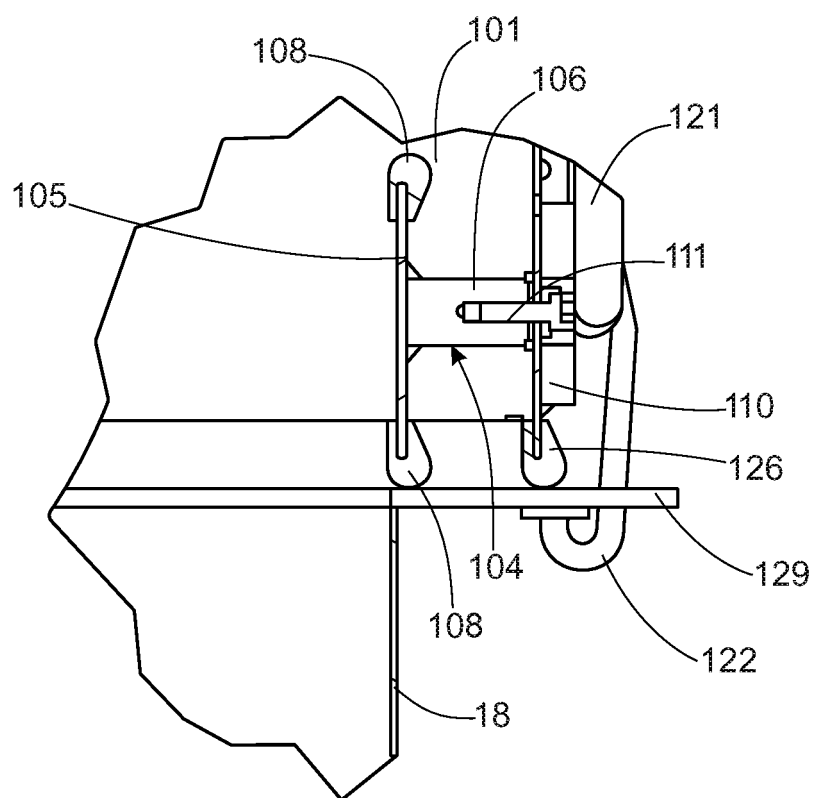


FIG. 13A

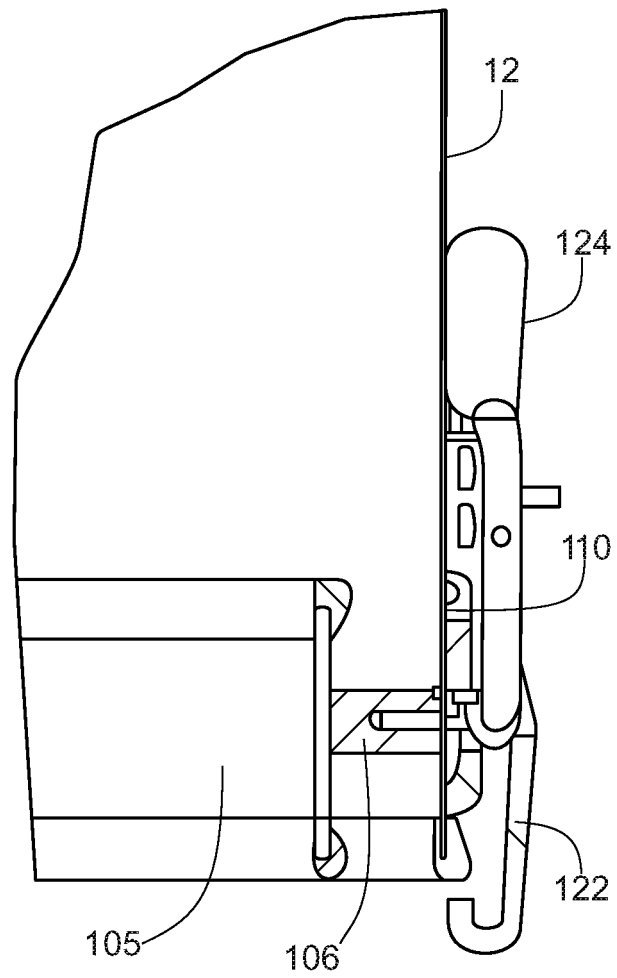
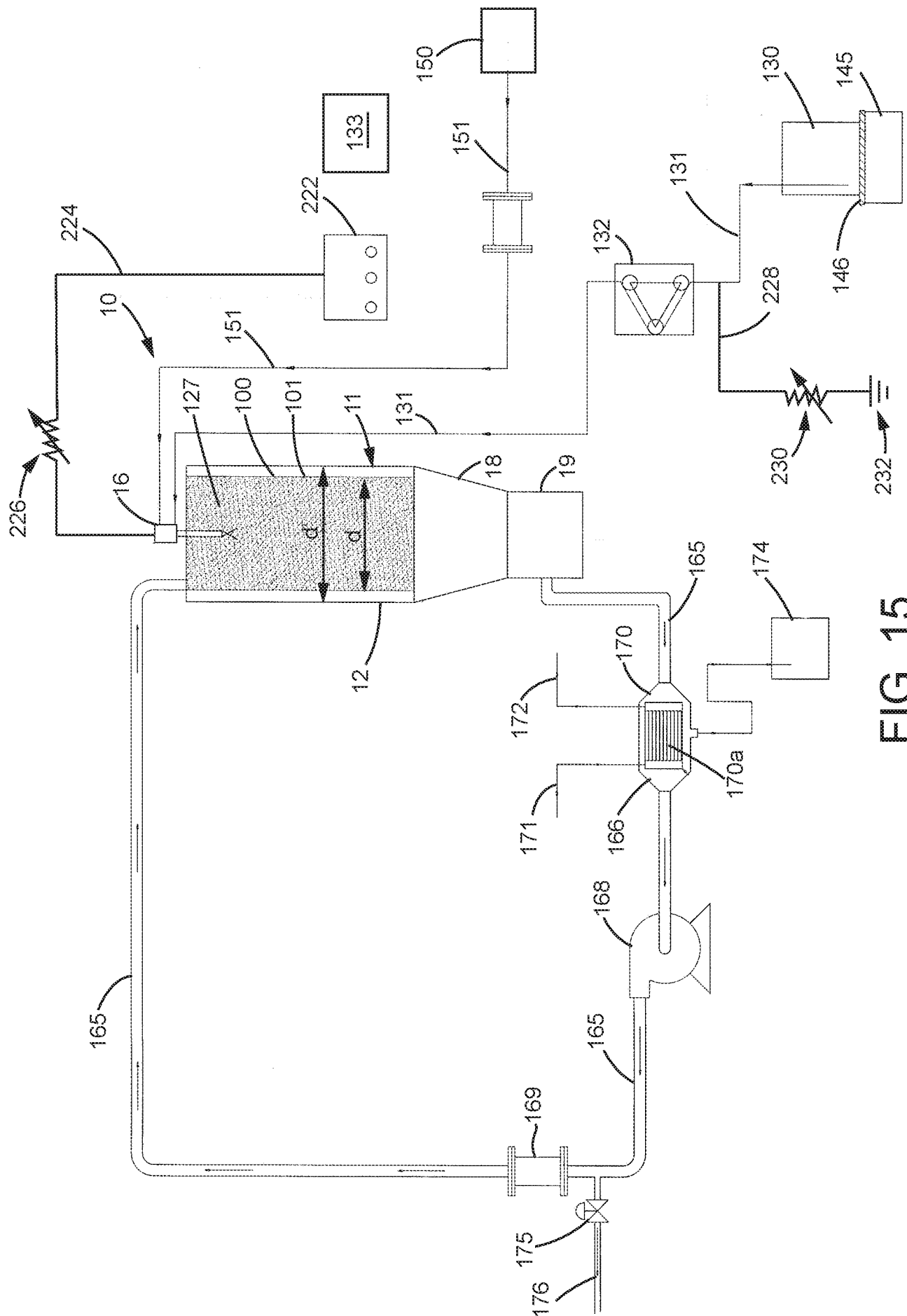


FIG. 14



15

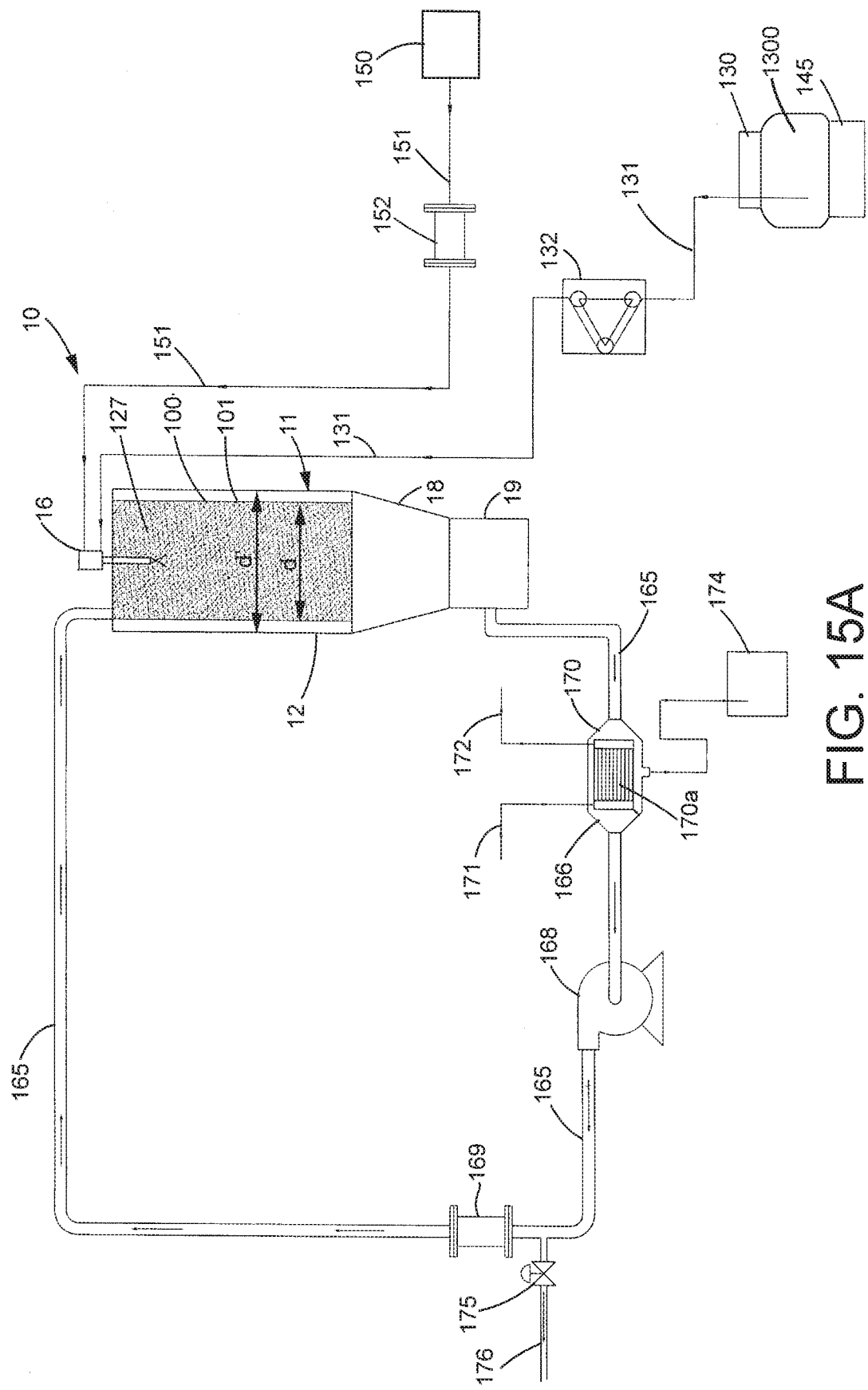


FIG. 15A

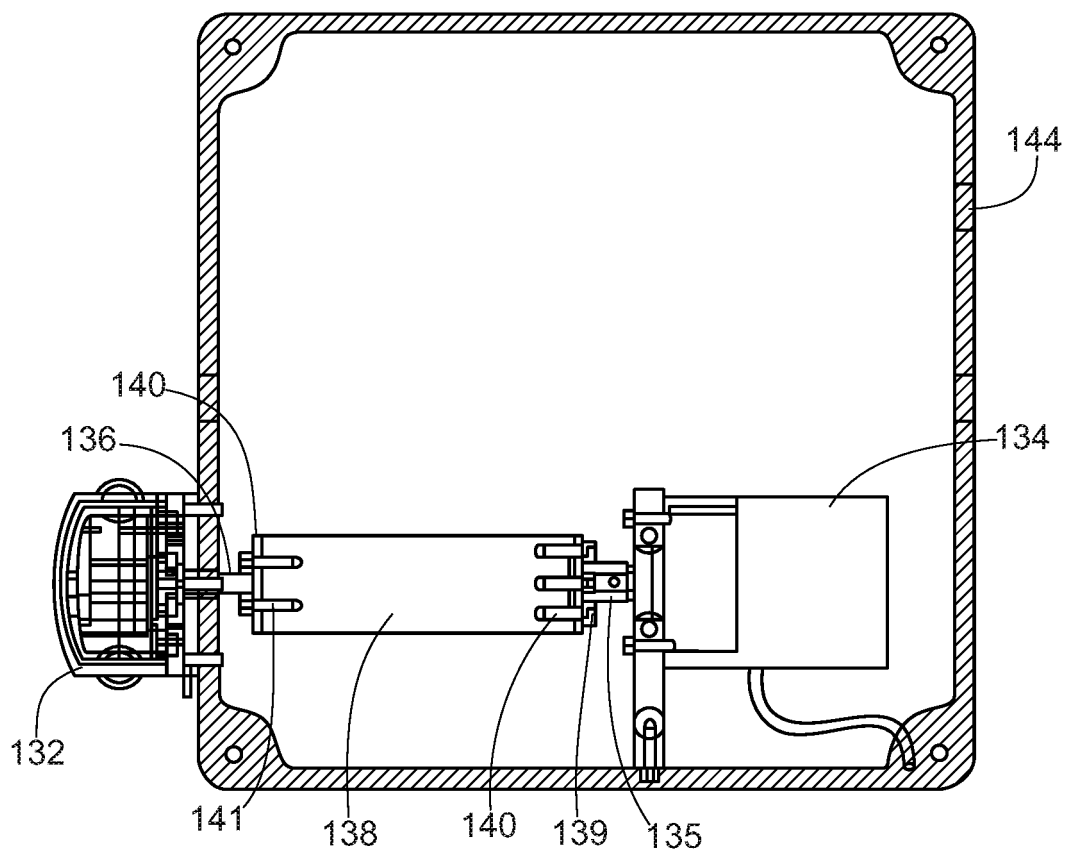


FIG. 16

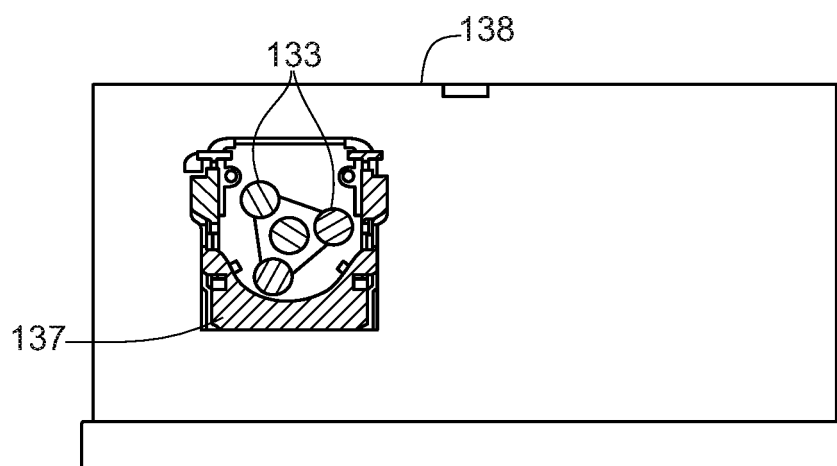


FIG. 16A

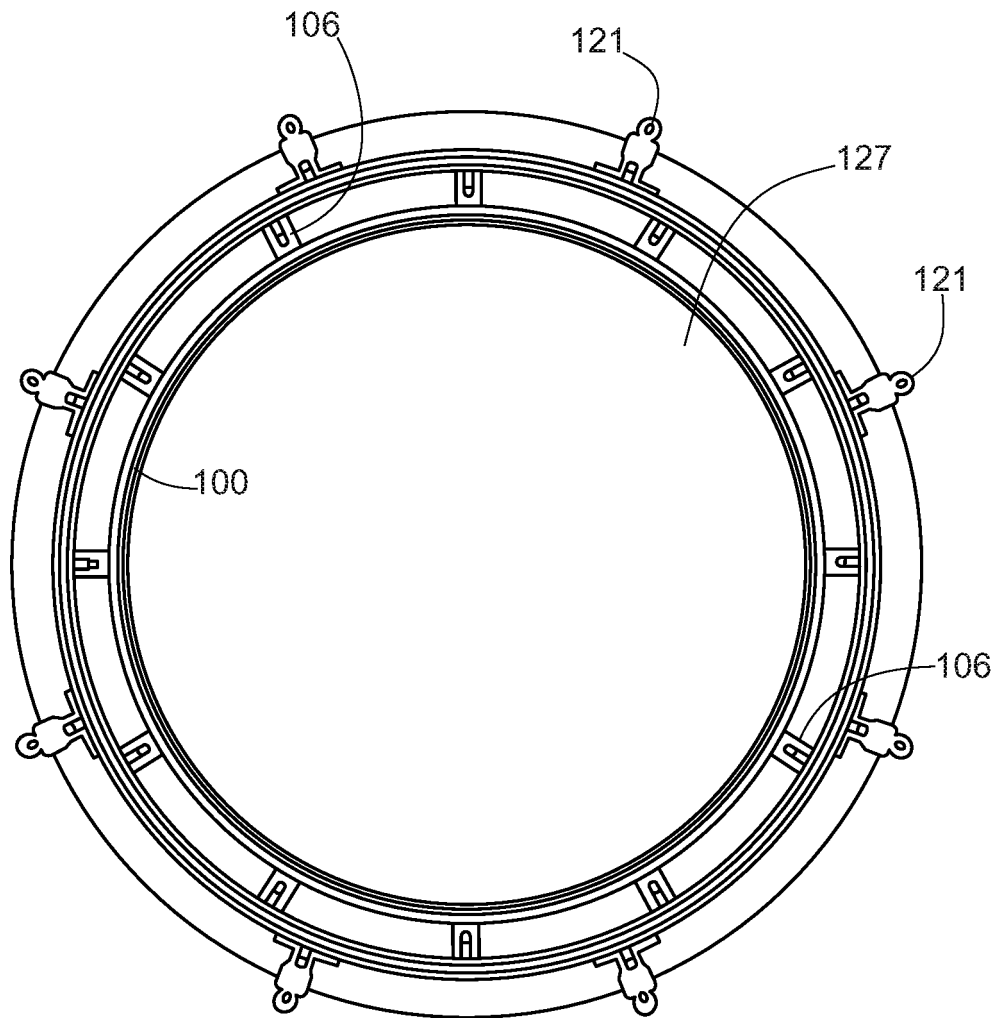


FIG. 17

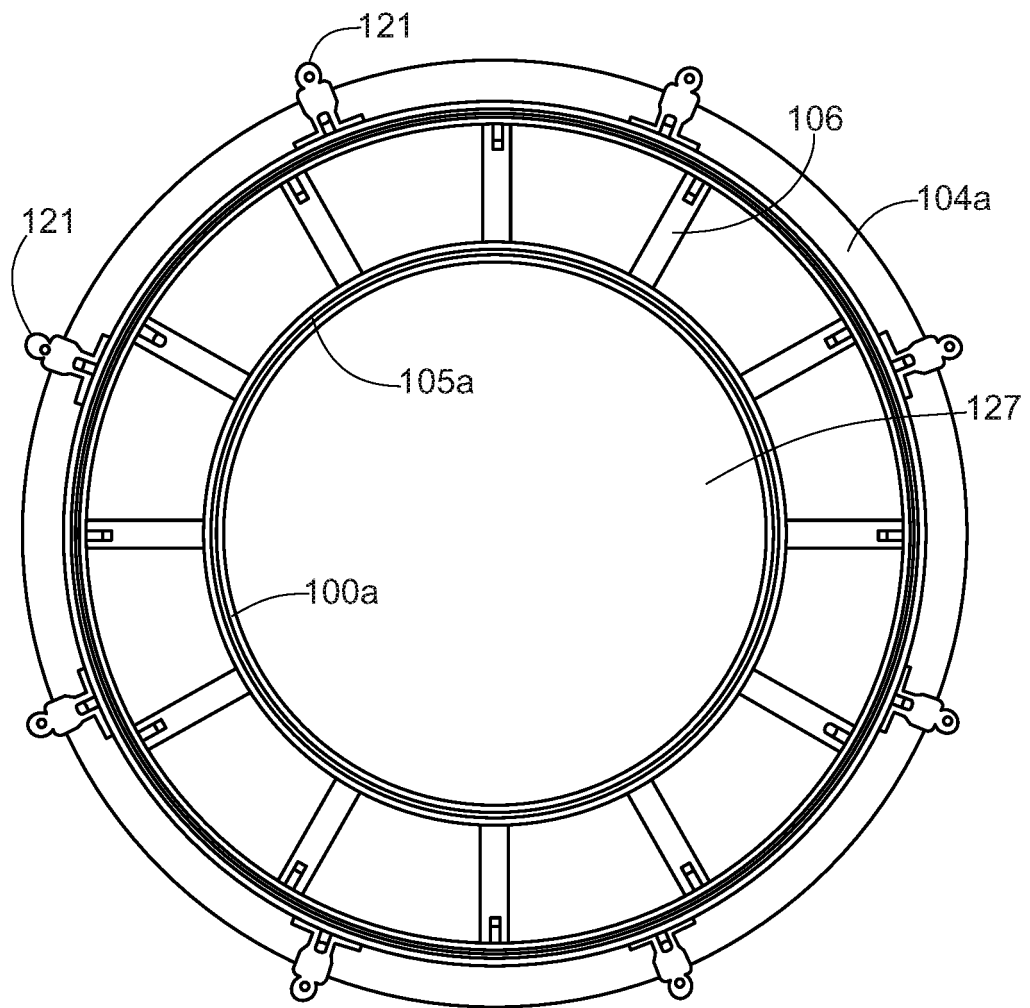


FIG. 18

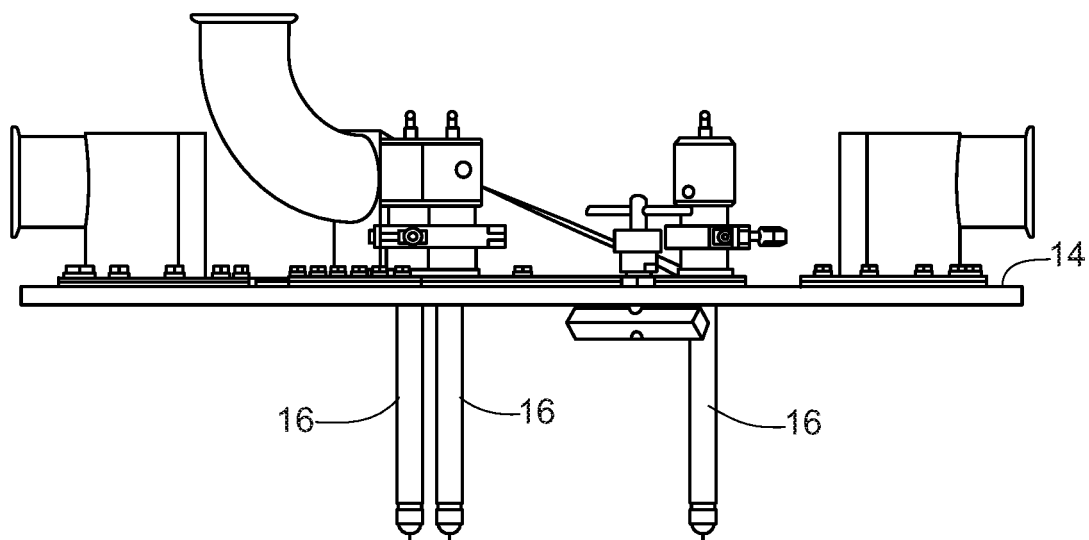


FIG. 19

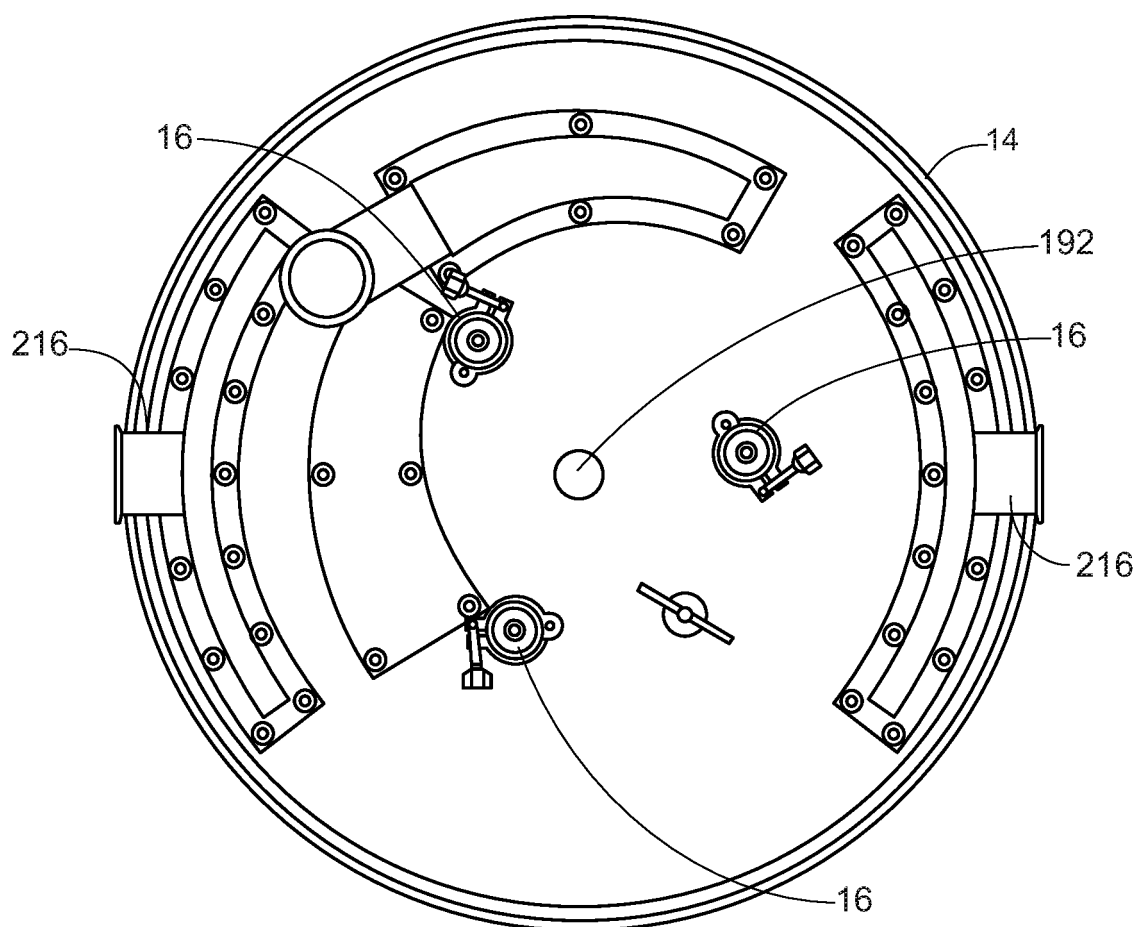


FIG. 20

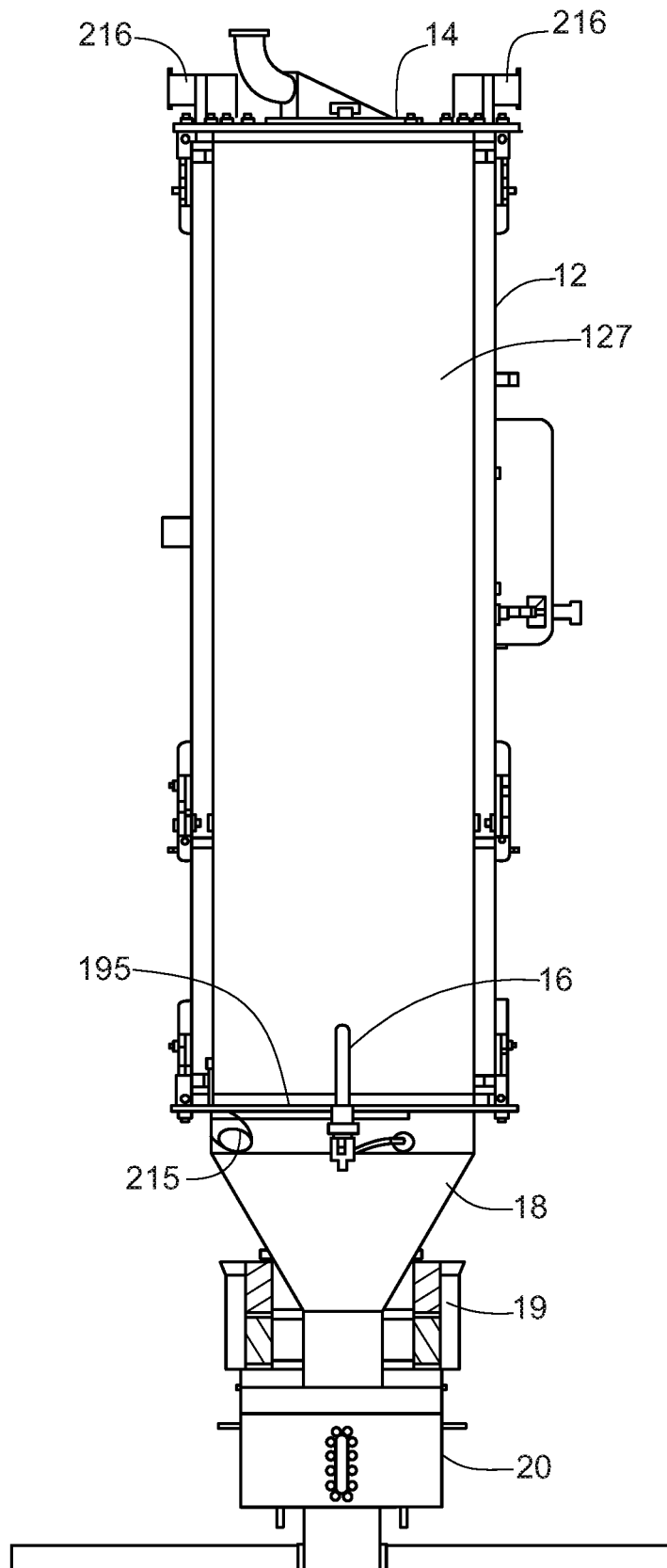


FIG. 21

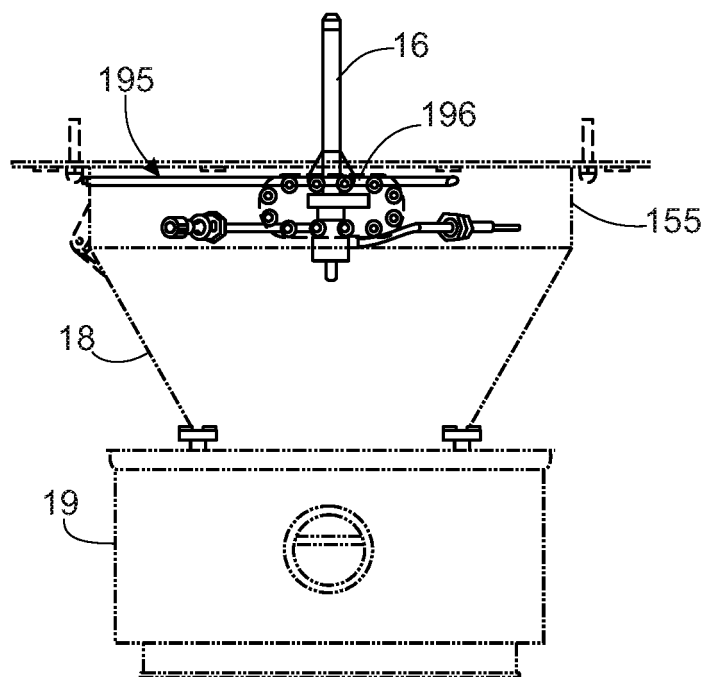


FIG. 22

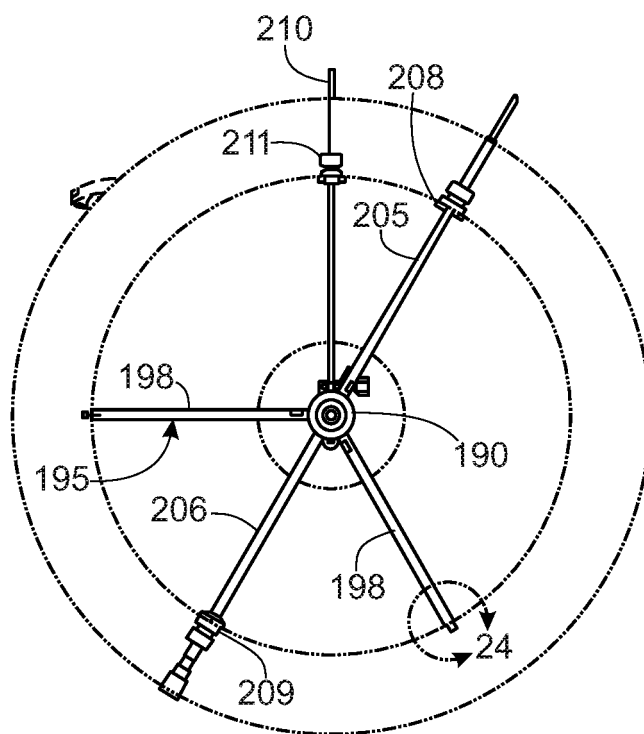


FIG. 23

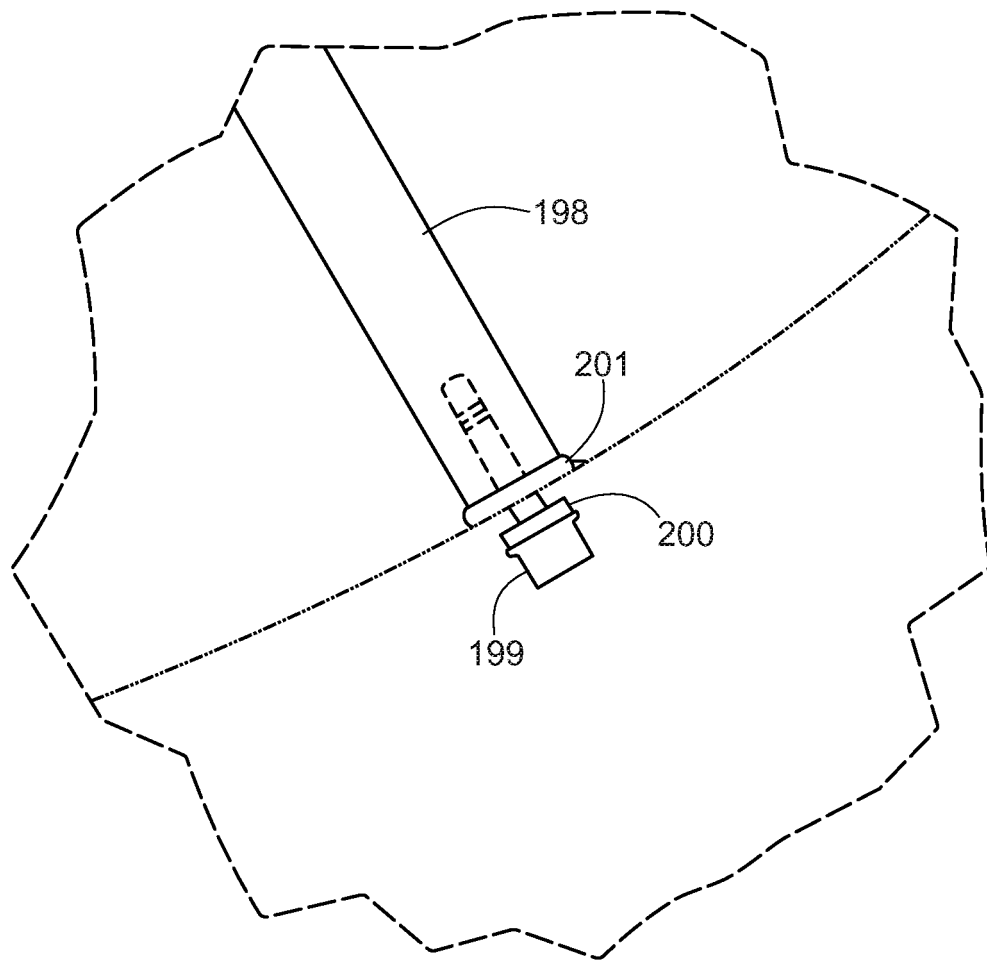


FIG. 24

MACHINE AIRFLOW CONFIGURATIONS:
 AIRFLOW THROUGH MACHINE CAN BE CONFIGURED IN MULTIPLE DIRECTIONS, DEPENDING ON DESIRED
 SPRAY NOZZLE ORIENTATION, LINER MATERIAL, AND AIRFLOW DIRECTION (CO-CURRENT OR COUNTER-CURRENT
 WITH RESPECT TO THE SPRAY NOZZLE ORIENTATION. PLEASE SEE THE TABLE BELOW AND THE FOLLOWING SHEETS
 FOR THE POSSIBLE AIRFLOW CONFIGURATIONS.
**NOTE: FOR EACH AIRFLOW CONFIGURATION, THE CHAMBER CAN BE SETUP IN VARYING LENGTHS WITH VARYING DIAMETERS
 OF LINER MATERIAL.**

220

MACHINE AIRFLOW CONFIGURATIONS TABLE						
VARIABLE OPTIONS	CONFIGURATION A	CONFIGURATION B	CONFIGURATION C	CONFIGURATION D	CONFIGURATION E	CONFIGURATION F
CHAMBER LENGTH (VARIED BY ADDING OR REMOVING EXTENSION SPOOL)	LONG OR SHORT	LONG OR SHORT	LONG OR SHORT	LONG OR SHORT	LONG OR SHORT	LONG OR SHORT
LINER MATERIAL (NON-PERMEABLE OR PERMEABLE)	NON-PERMEABLE	NON-PERMEABLE	PERMEABLE	PERMEABLE	PERMEABLE	PERMEABLE
NOZZLE ORIENTATION (TOP SPRAYING DOWNWARD, BOTTOM SPRAYING UPWARD)	TOP SPRAY	BOTTOM SPRAY	TOP SPRAY	TOP SPRAY	BOTTOM SPRAY	BOTTOM SPRAY
PROCESS GASFLOW DIRECTION (GENERAL DIRECTION THROUGH CHAMBER; PORT USAGE VARIES BASED ON CONFIGURATION)	DOWNWARD	DOWNWARD	UPWARD	DOWNWARD	UPWARD	DOWNWARD

FIG. 25

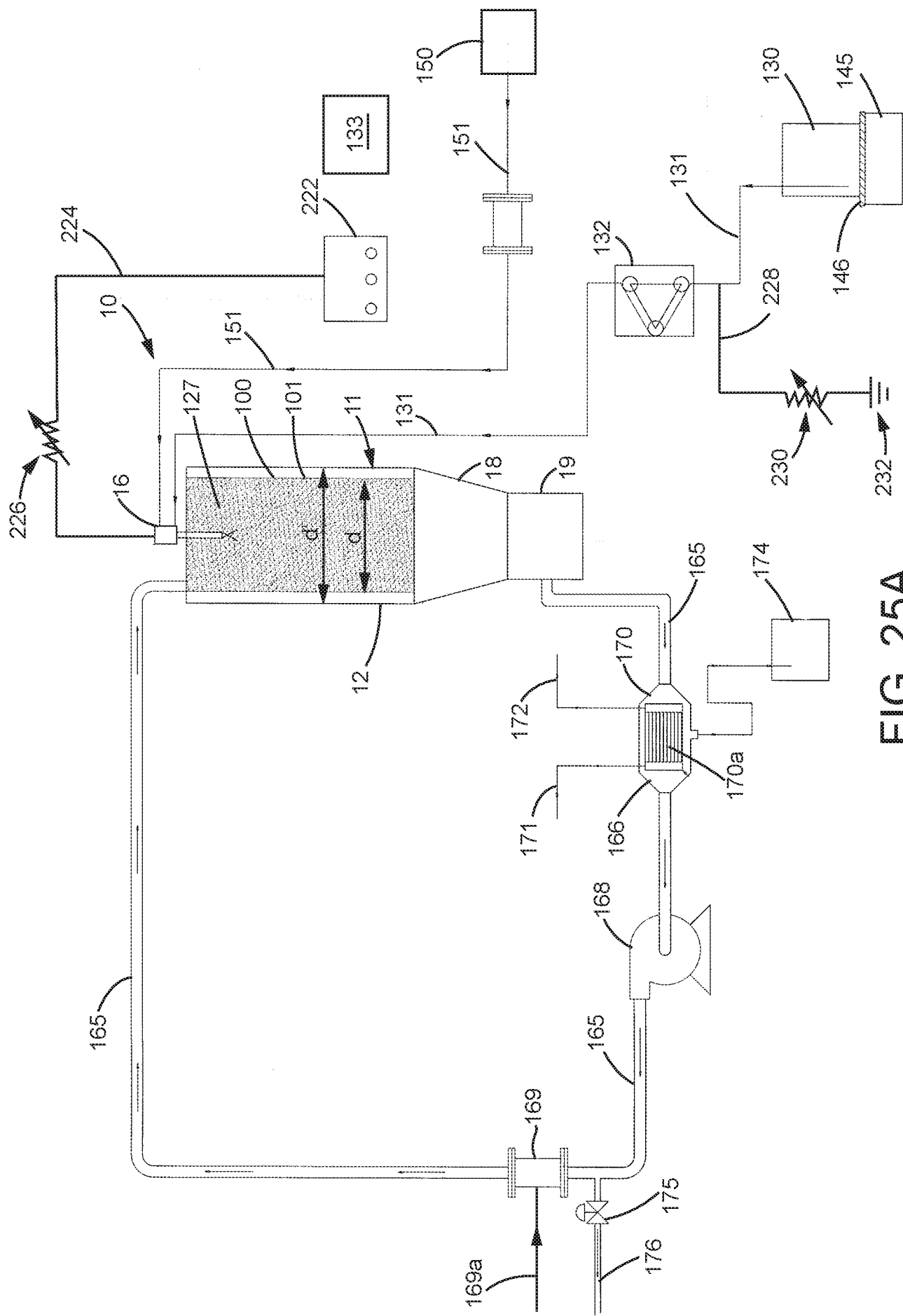
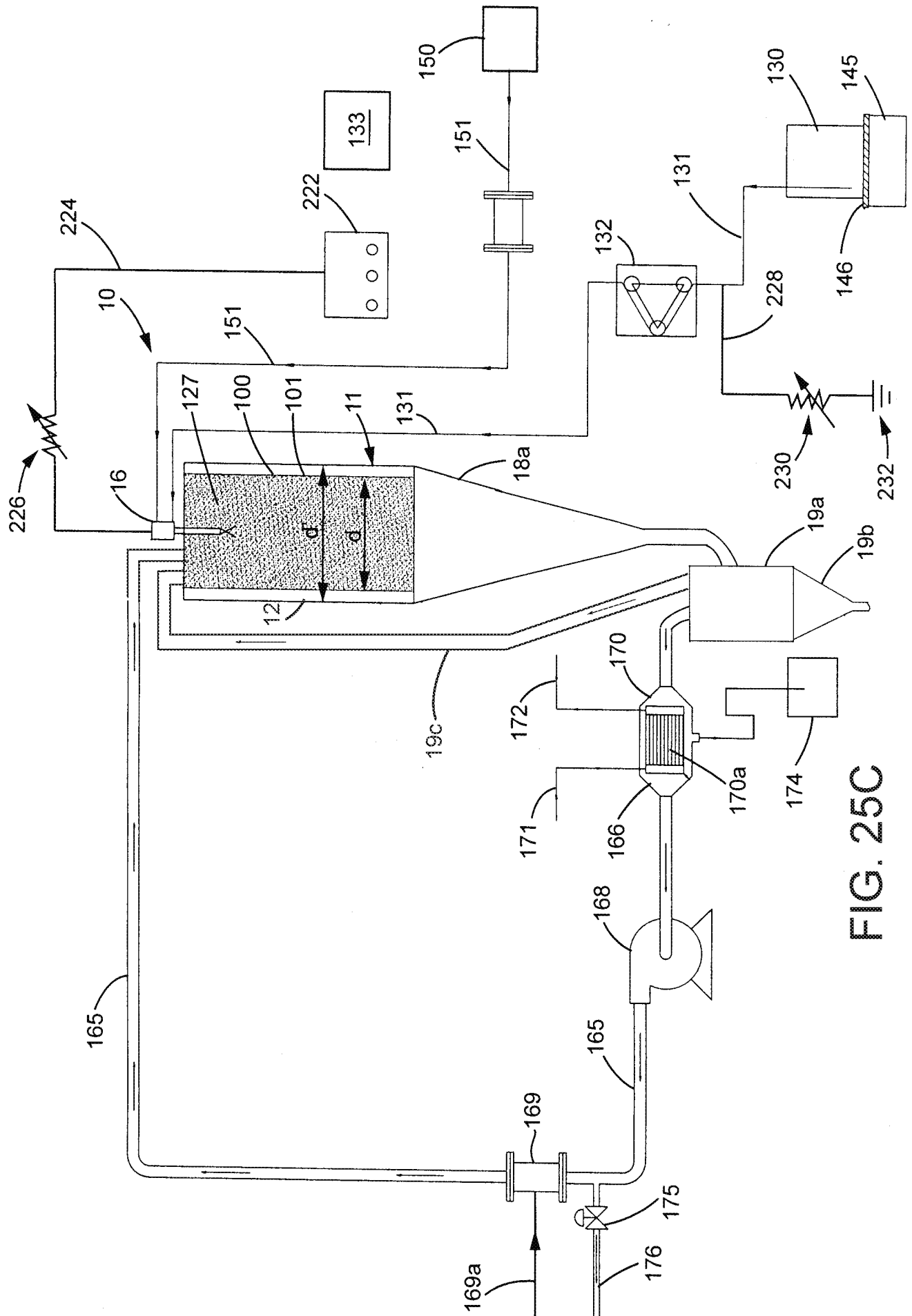


FIG. 25A



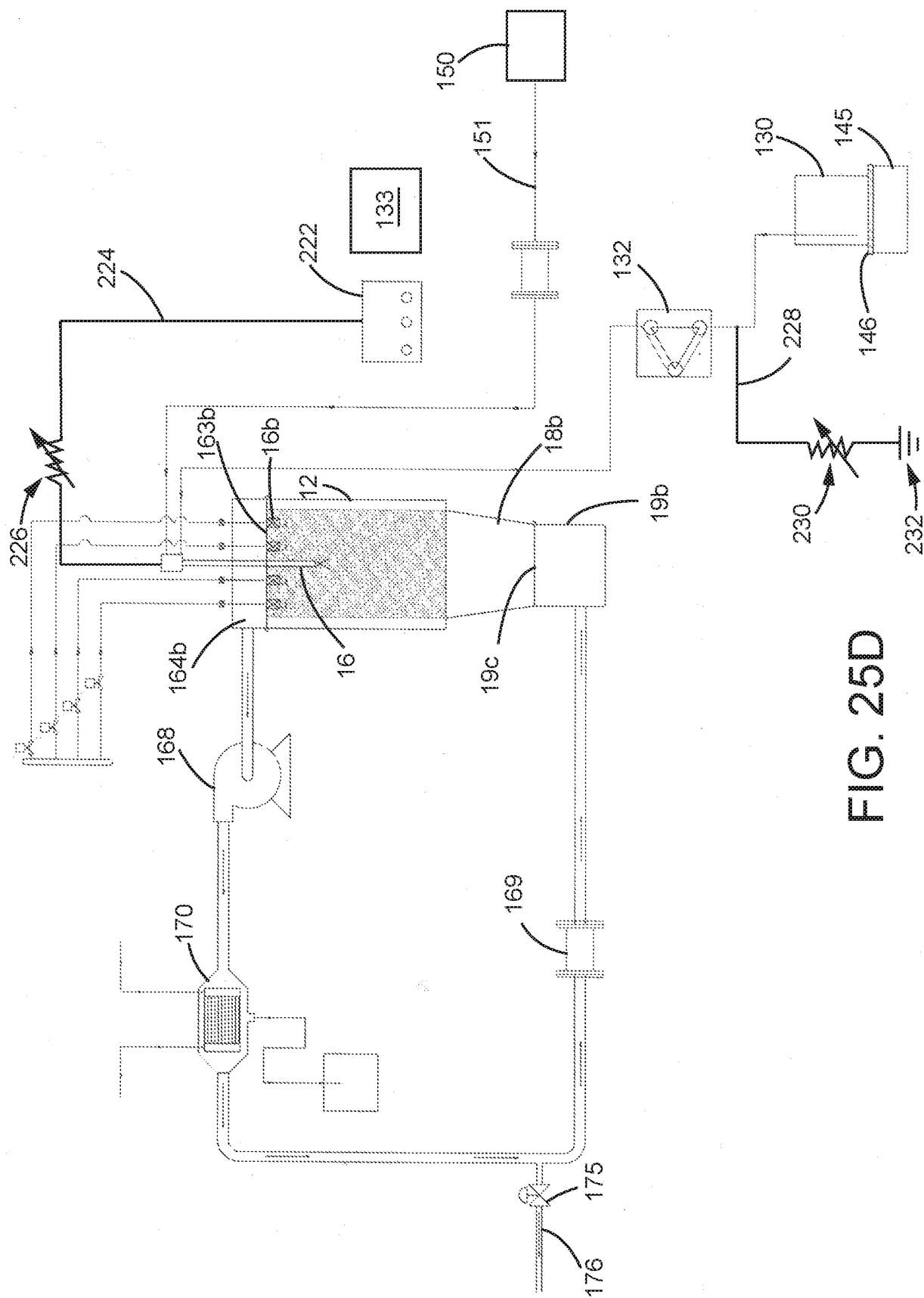


FIG. 25D

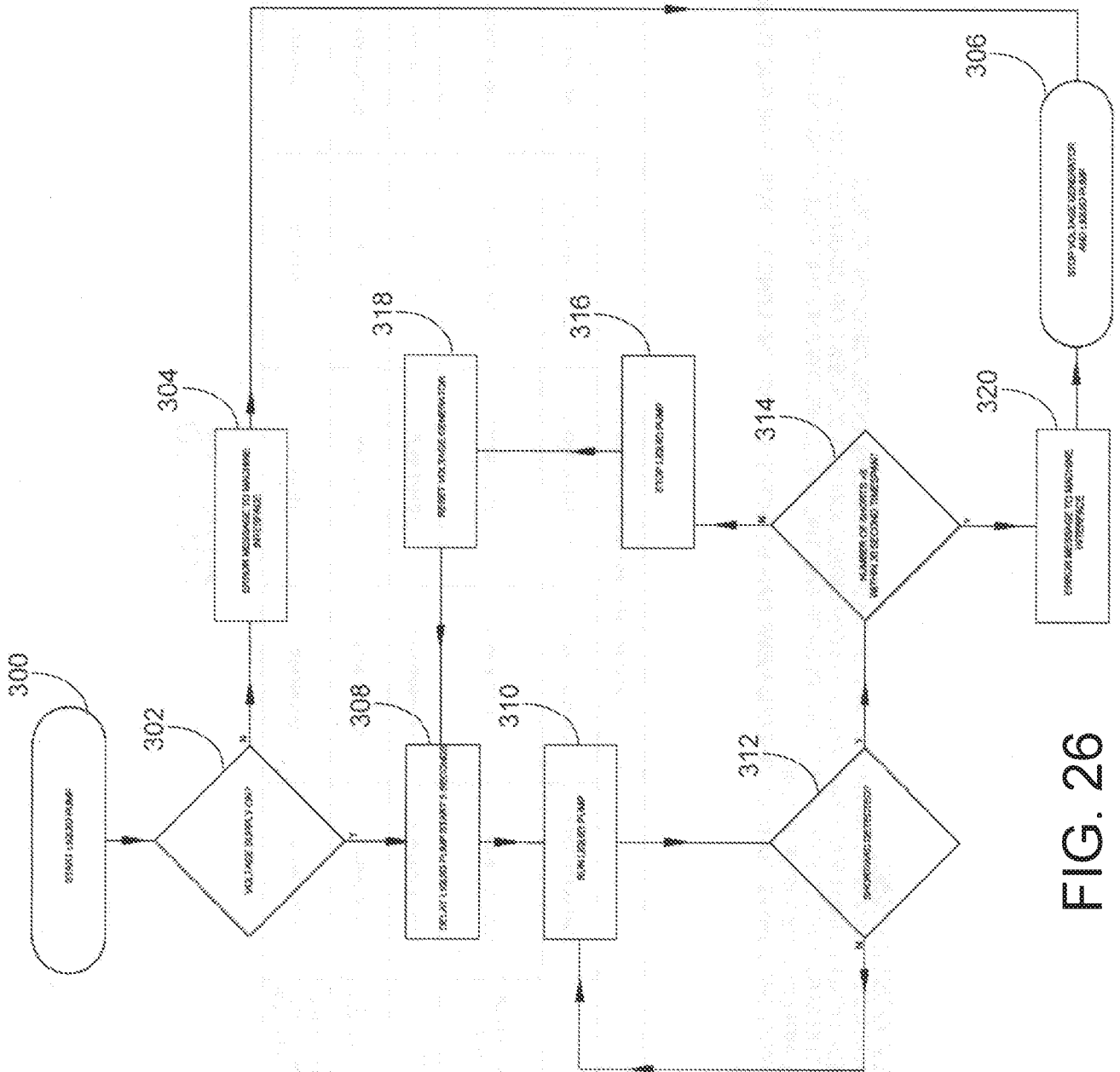


FIG. 26

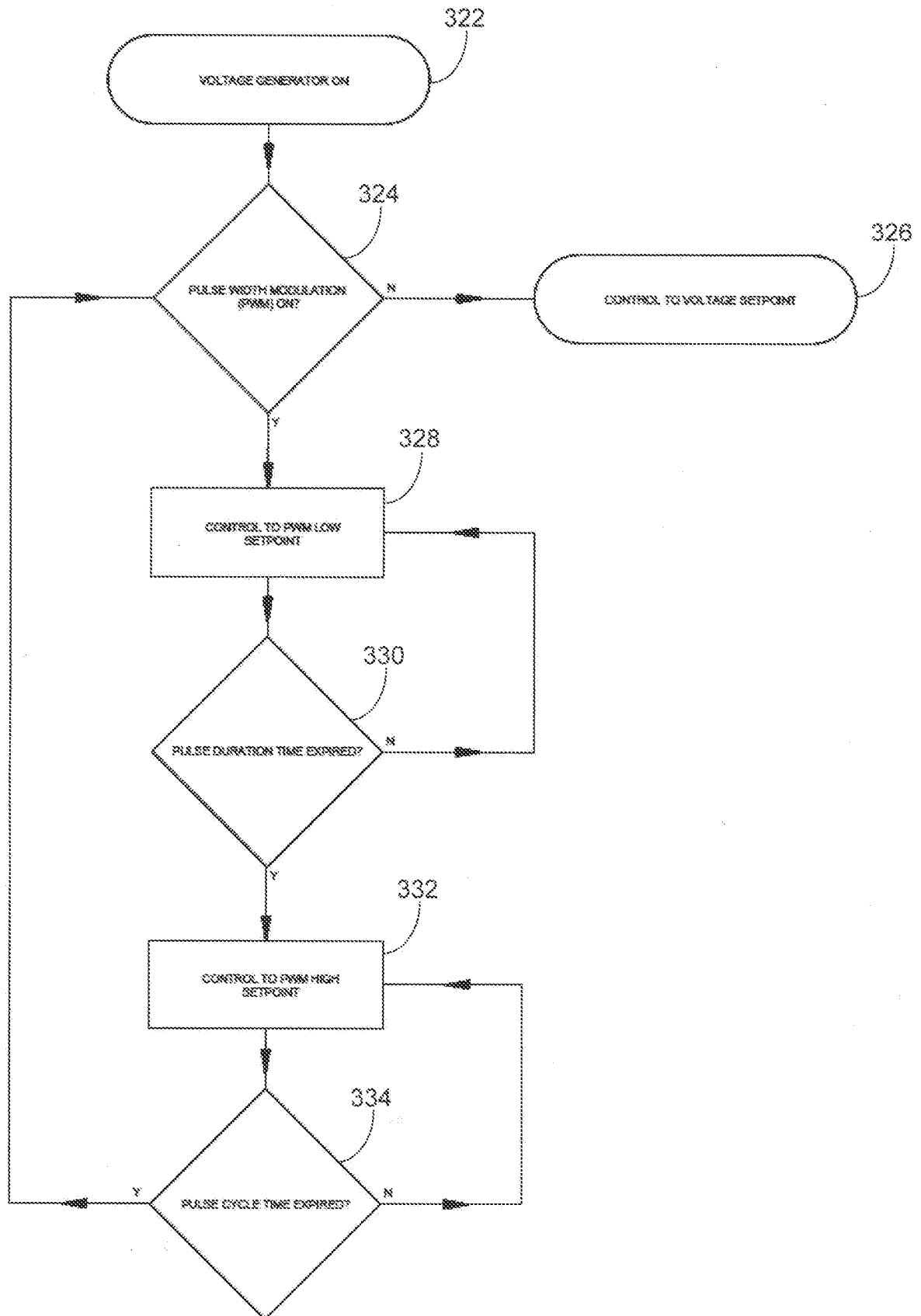


FIG. 27

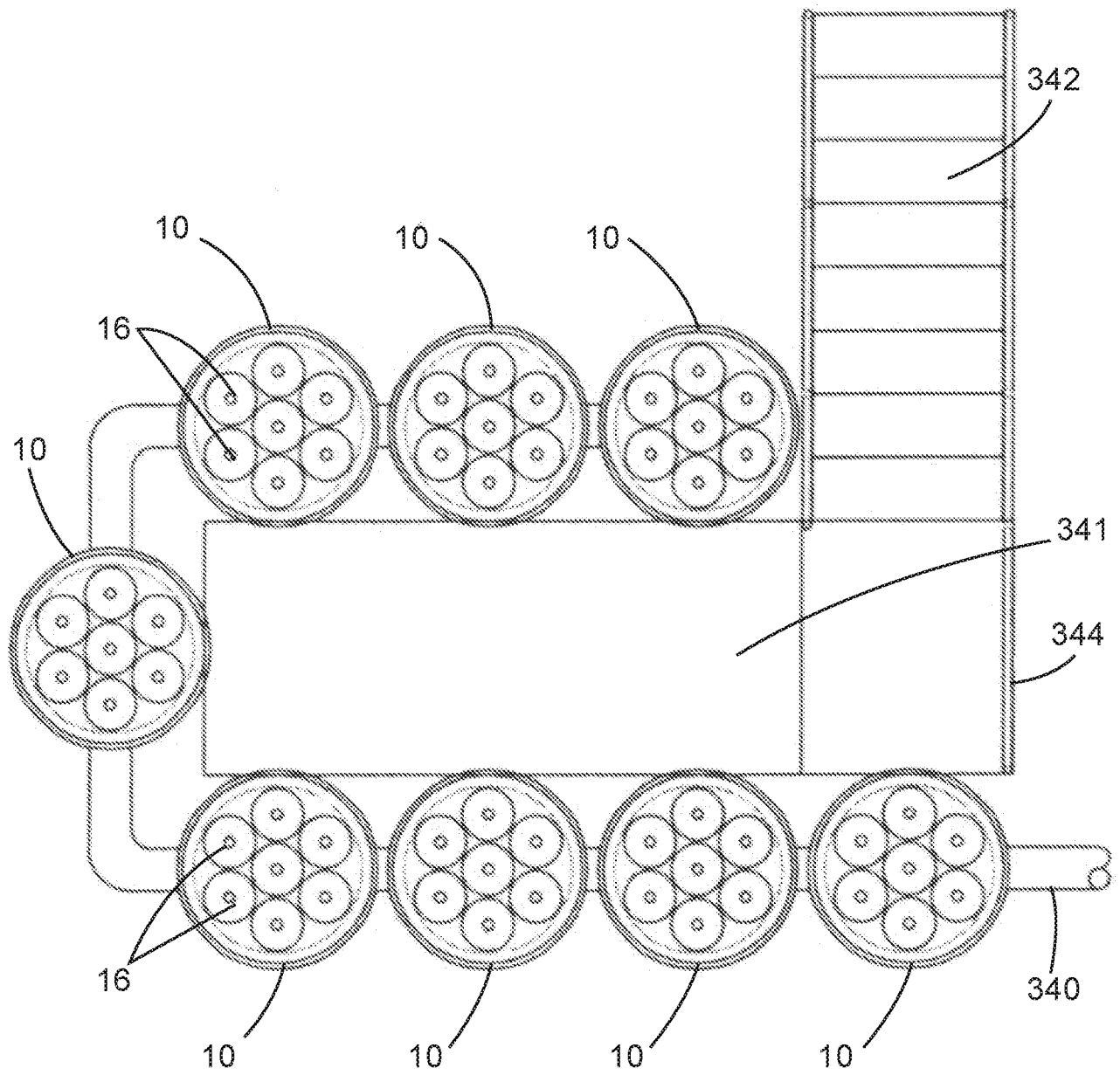


FIG. 28

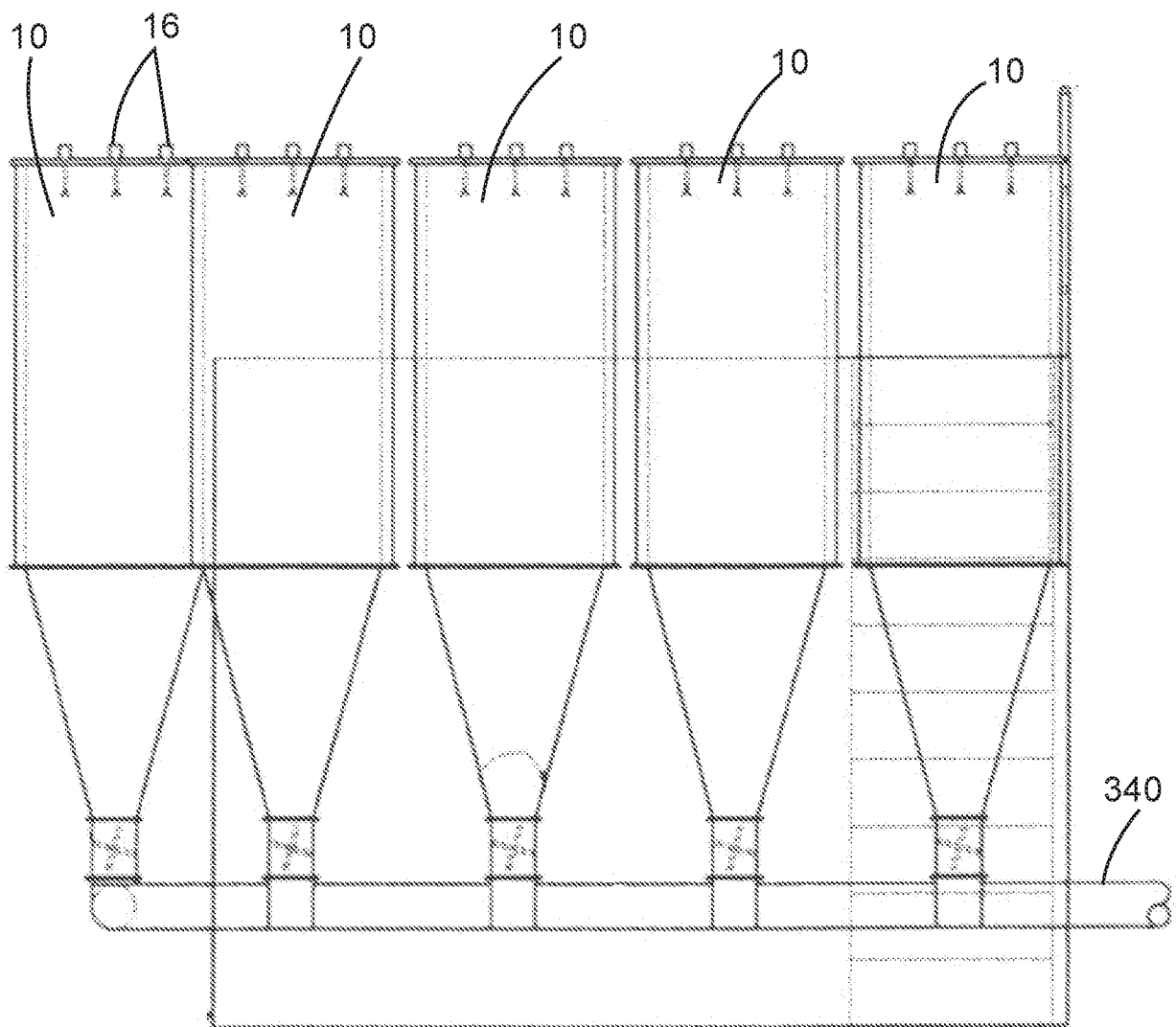


FIG. 29

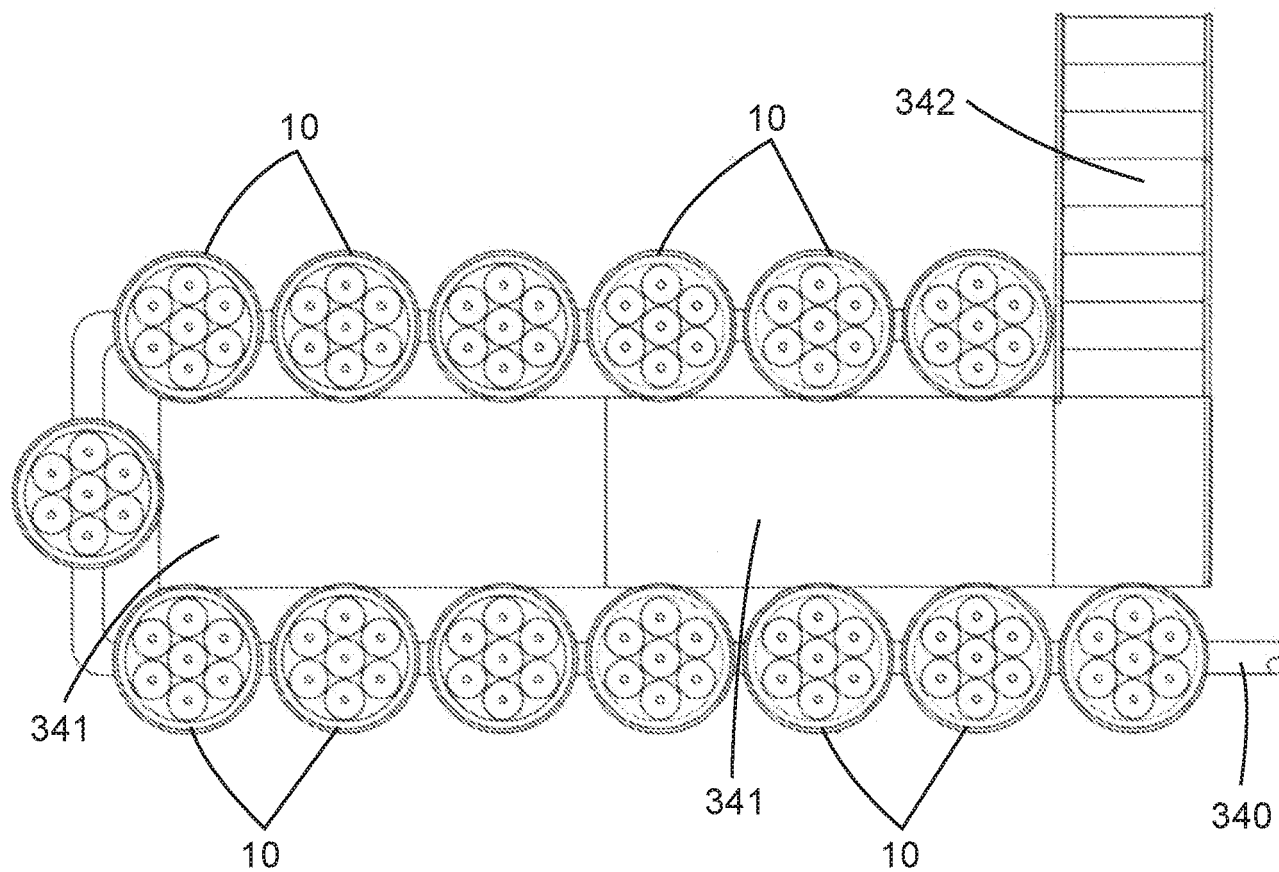


FIG. 30