

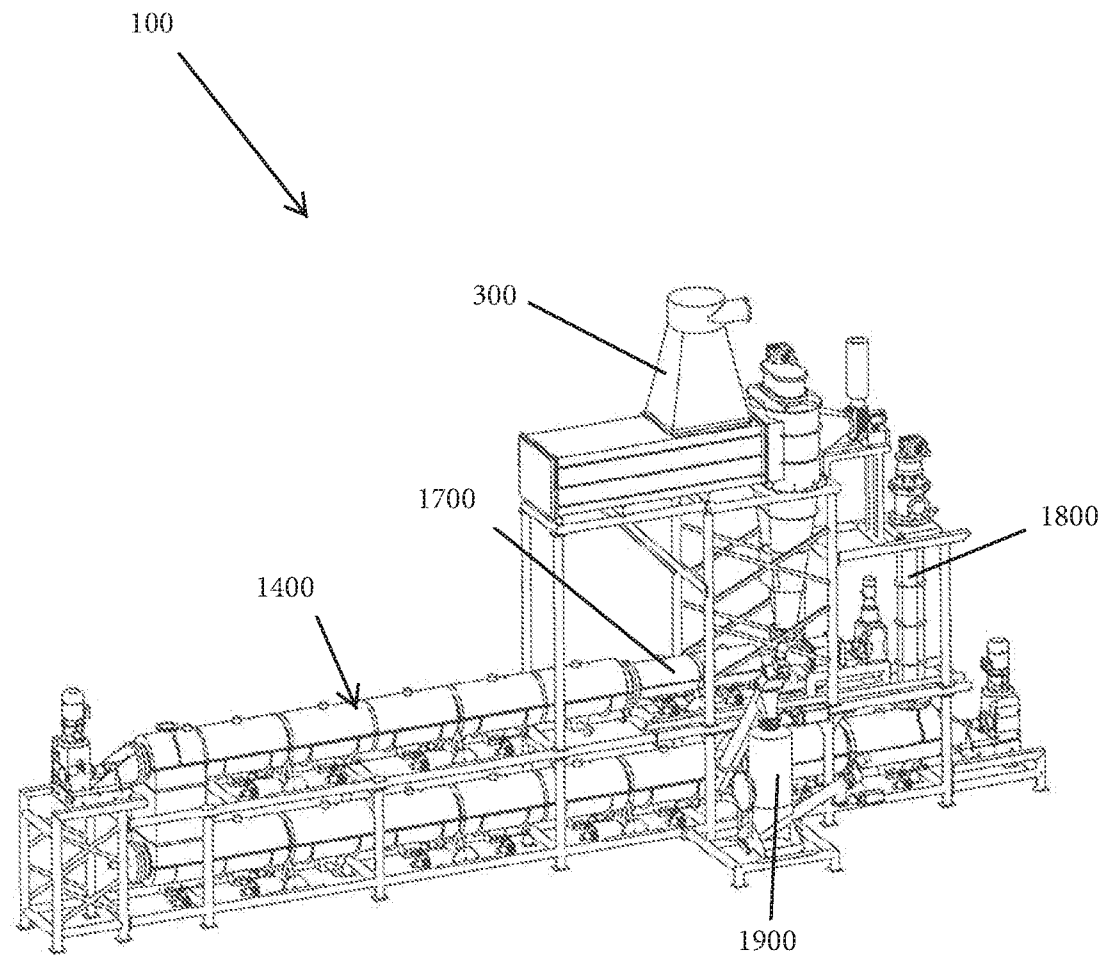
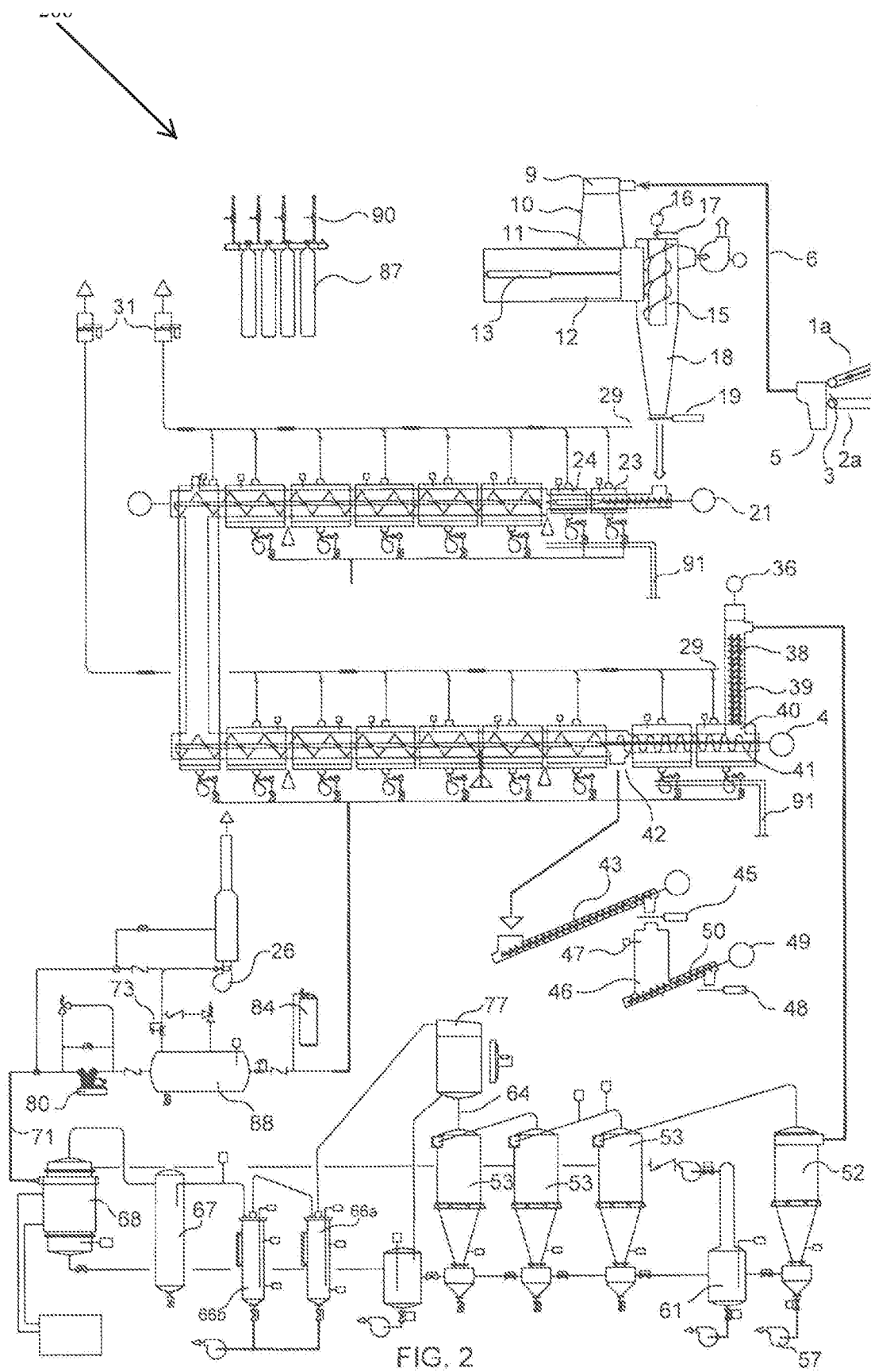


FIG. 1



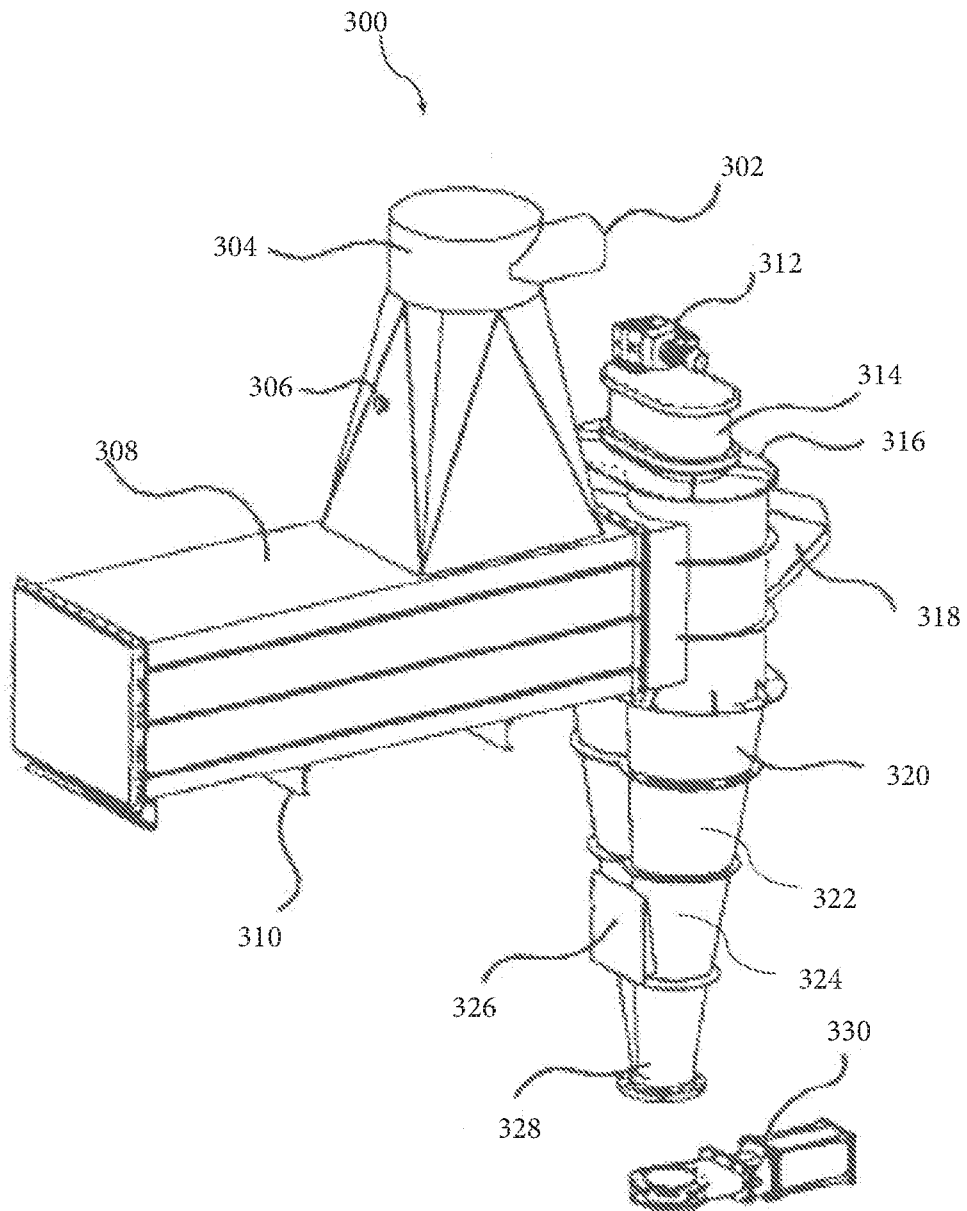


FIG. 3

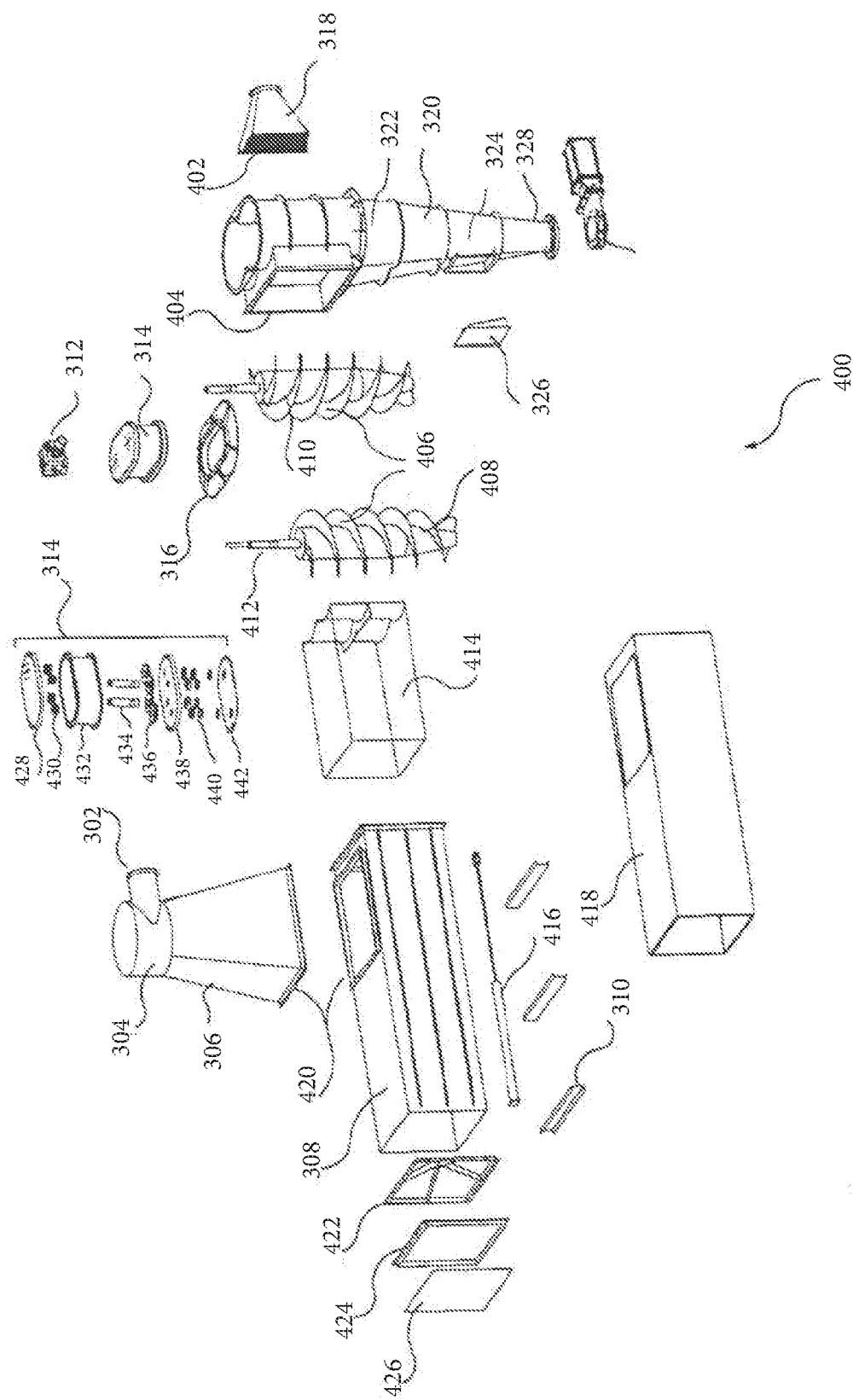


FIG. 4

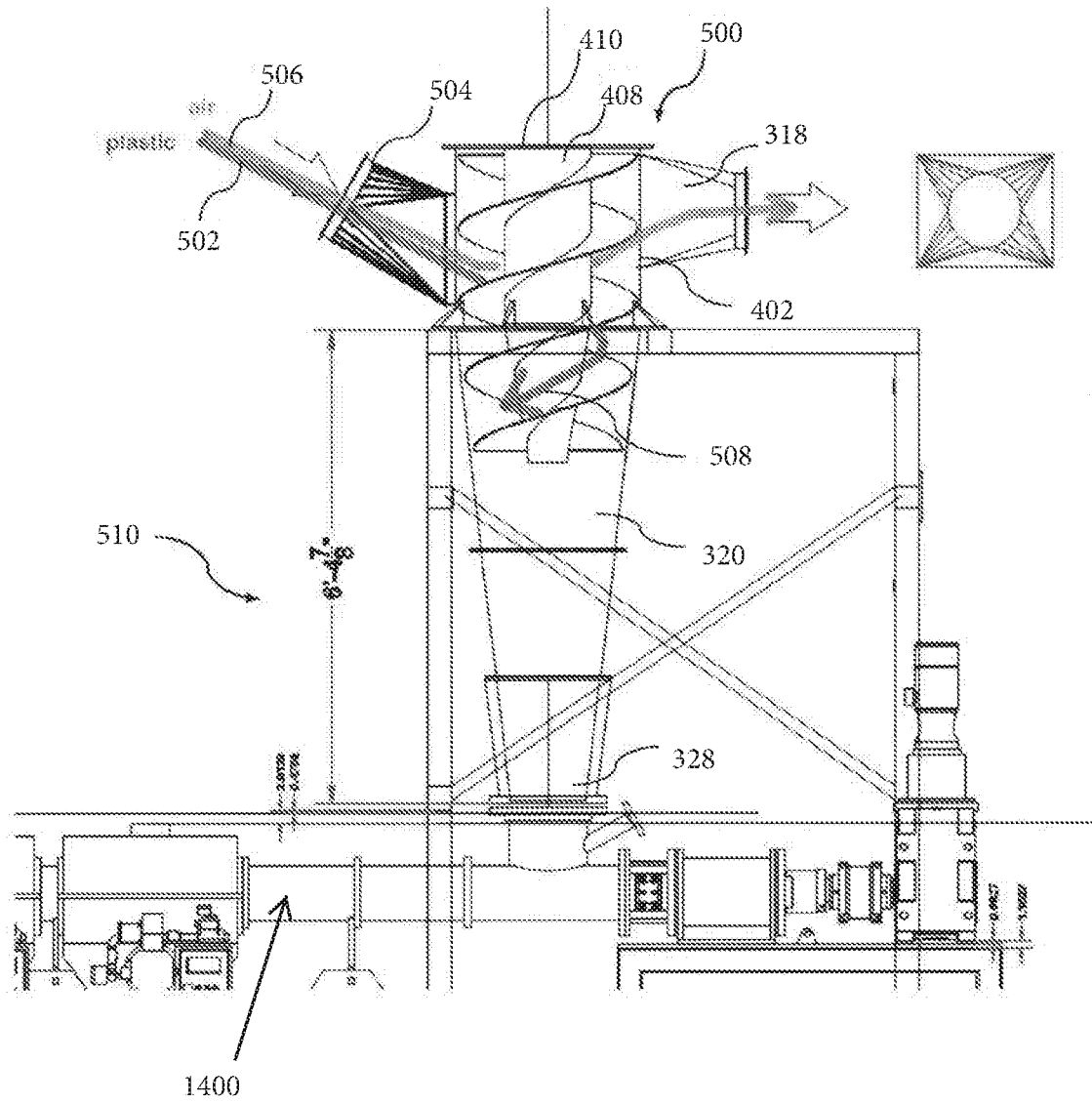
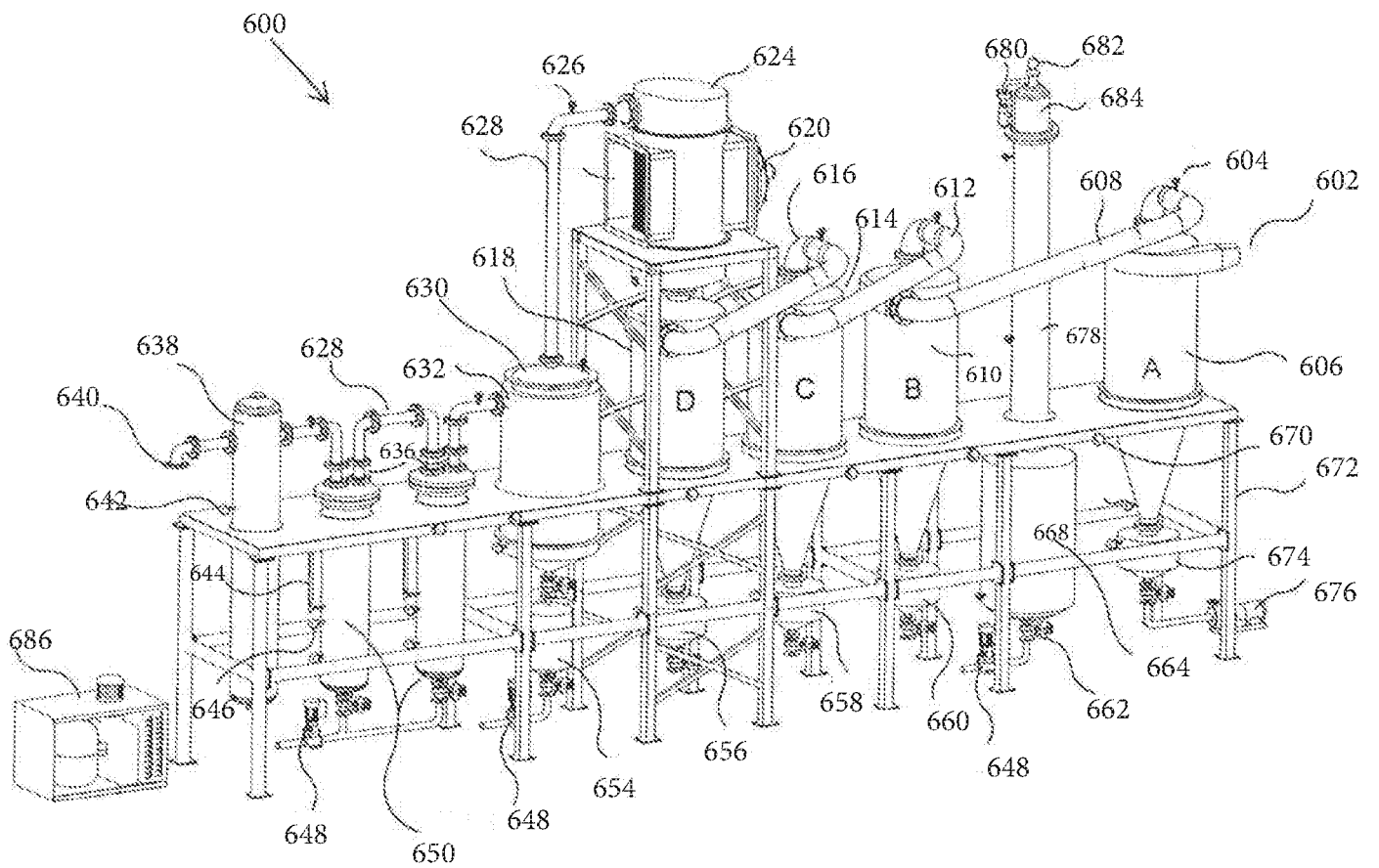


FIG. 5

FIG. 6



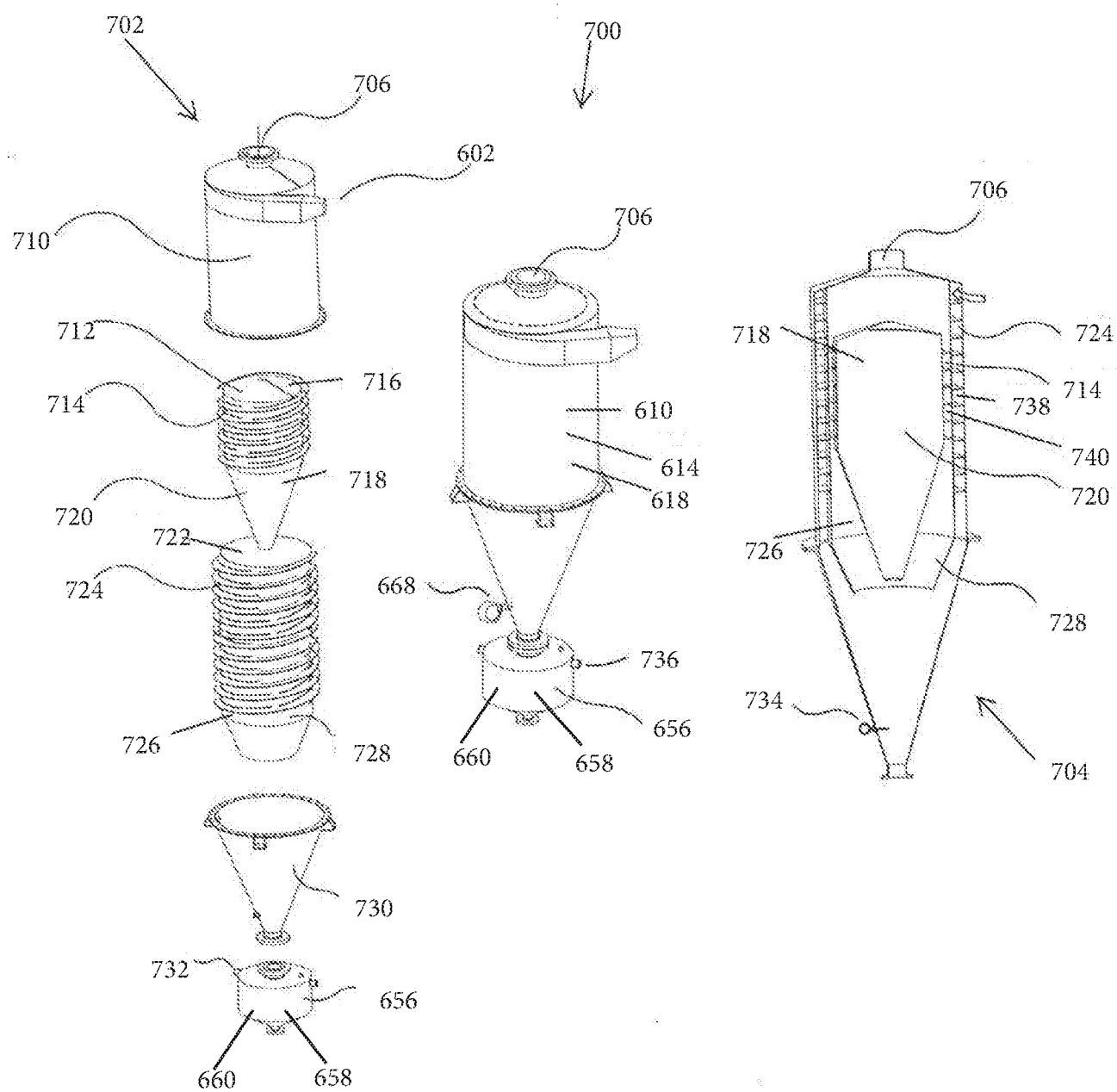


FIG. 7

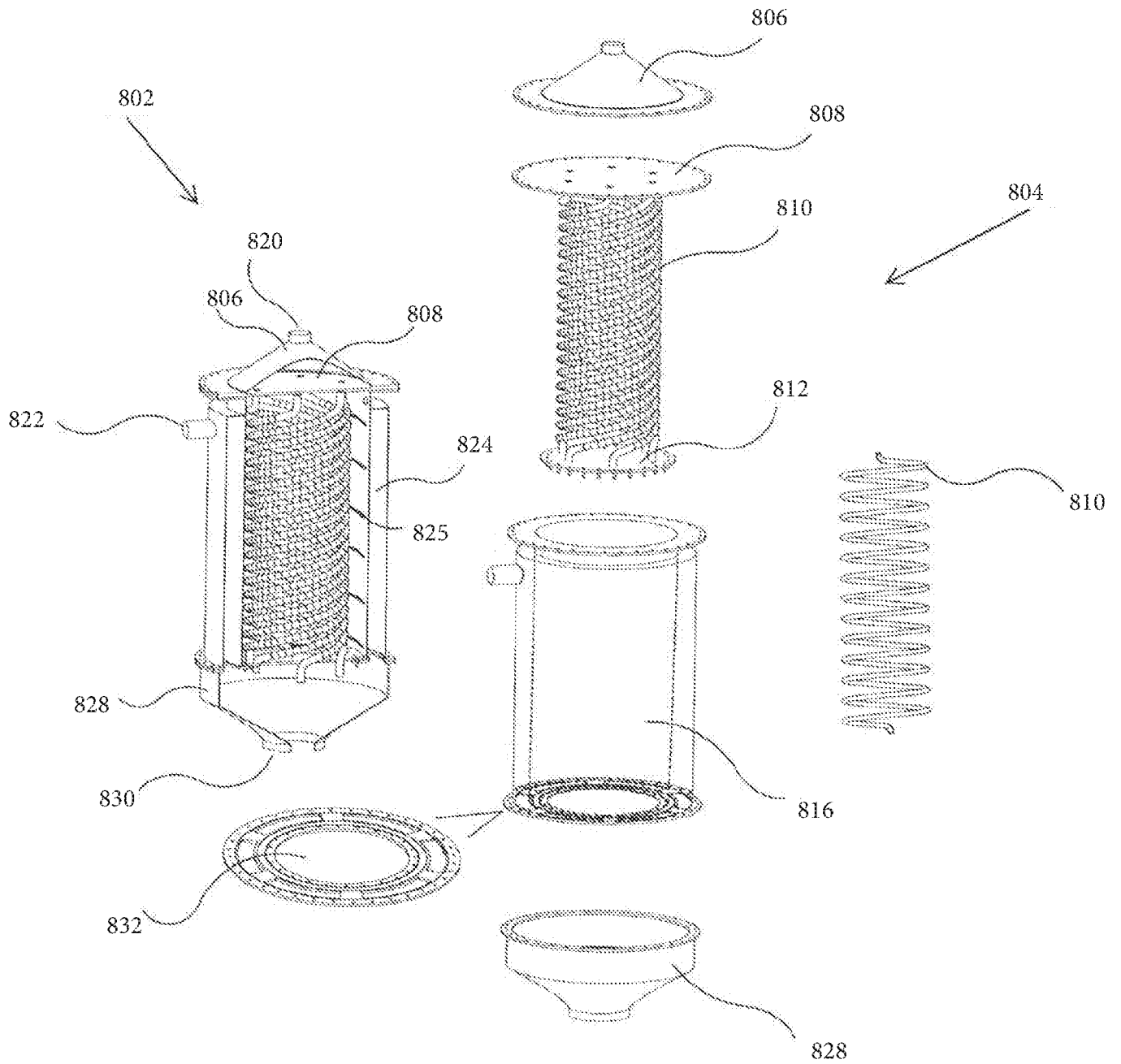


FIG. 8

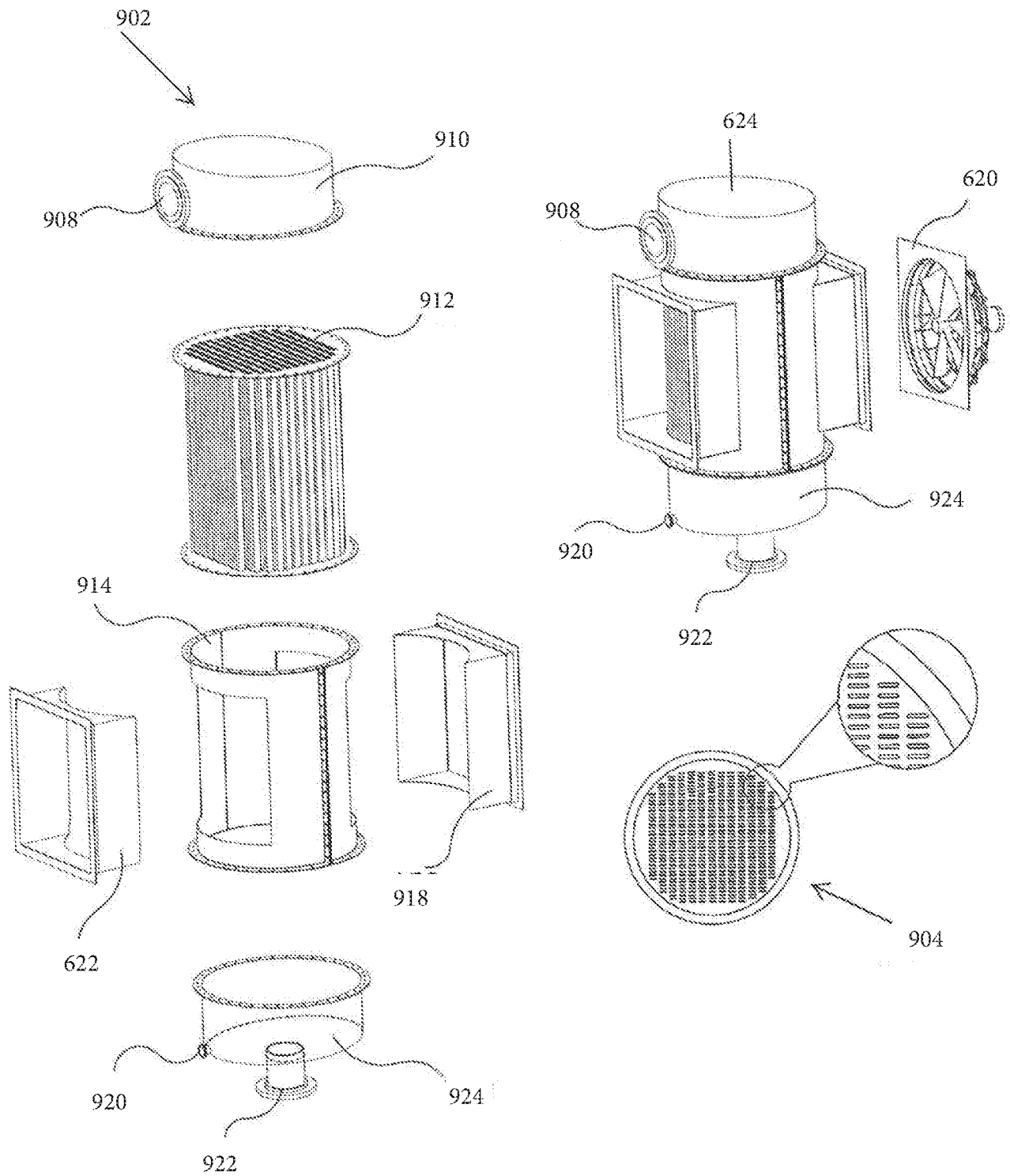


FIG. 9

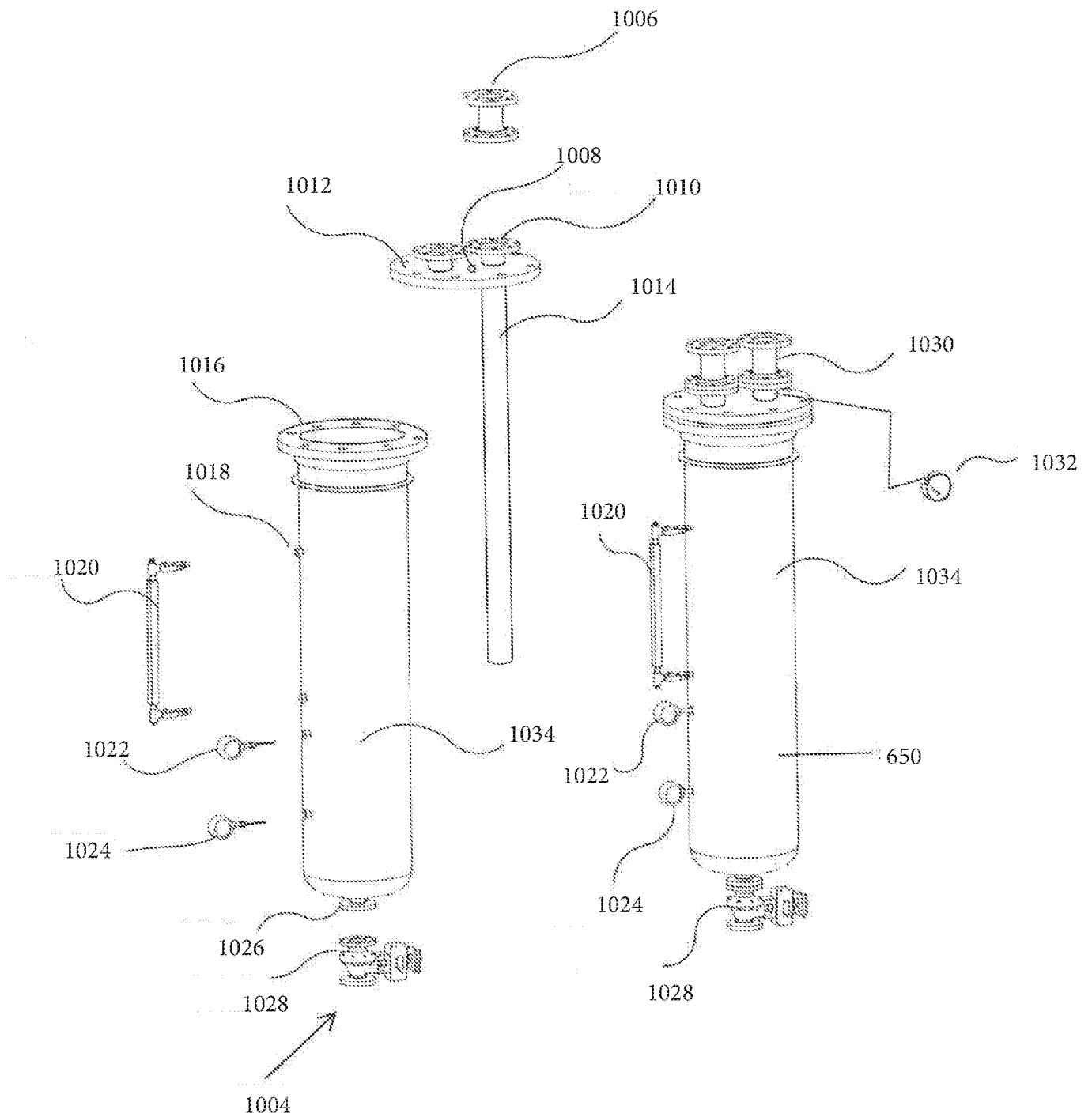


FIG. 10

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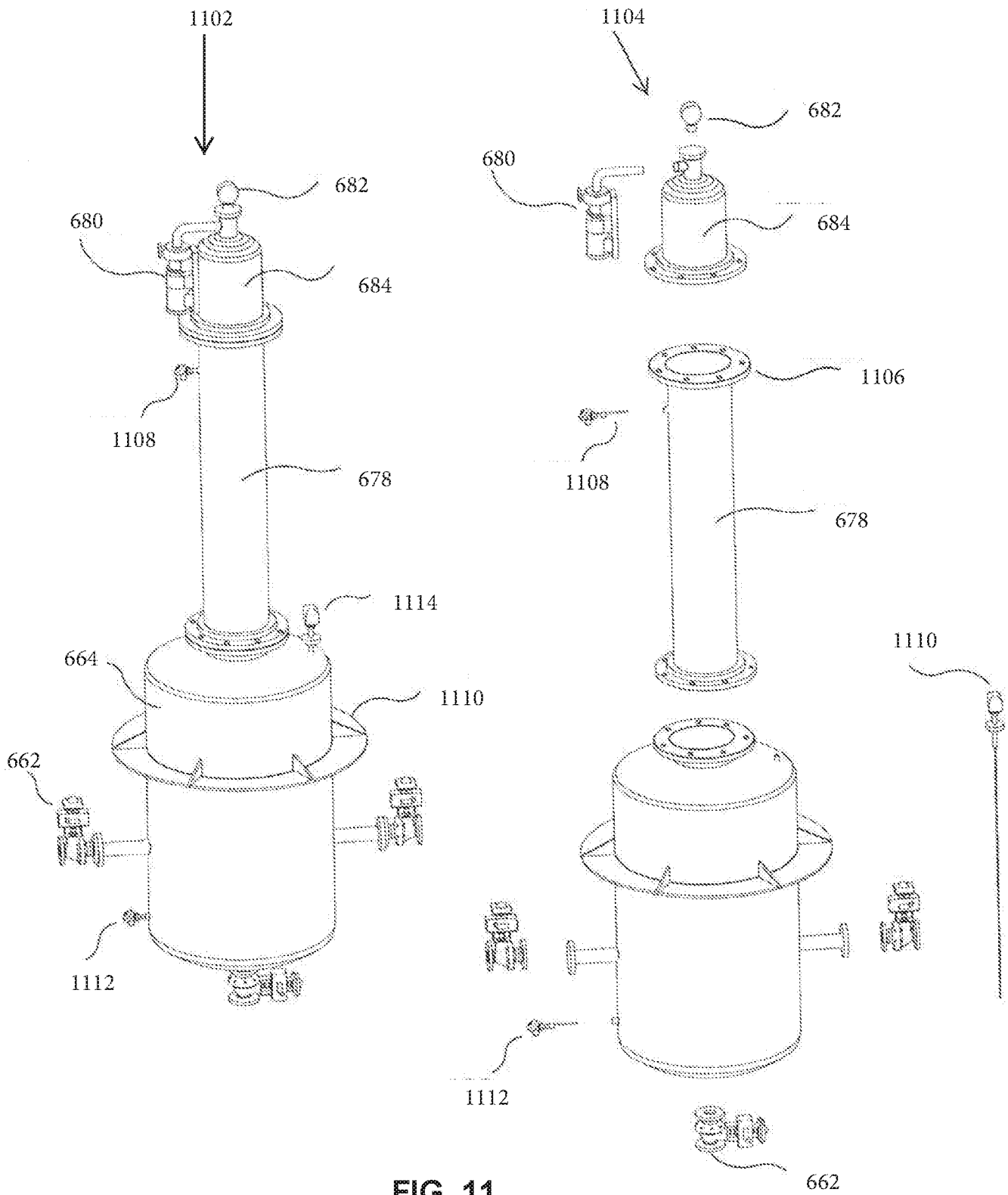


FIG. 11

Cyclone A	
635	Inlet volume CFM
3234	Inlet velocity FPM
290	Inlet temp Celsius
0.31	C-Chain collected %
>28	C-Chain condensed
1.8"	static pressure loss WC

Cyclone B	
633	Inlet volume CFM
3224	Inlet velocity FPM
285	Inlet temp Celsius
15.4	C-Chain collected %
>26	C-Chain condensed
8.3"	static pressure loss WC

Cyclone C	
292	Inlet volume CFM
1487	Inlet velocity FPM
215	Inlet temp Celsius
53	C-Chain collected %
>10	C-Chain condensed
3.6"	static pressure loss WC

Cyclone D	
236	Inlet volume CFM
1202	Inlet velocity FPM
175	Inlet temp Celsius
19	C-Chain collected %
>6	C-Chain condensed
1.1"	static pressure loss WC

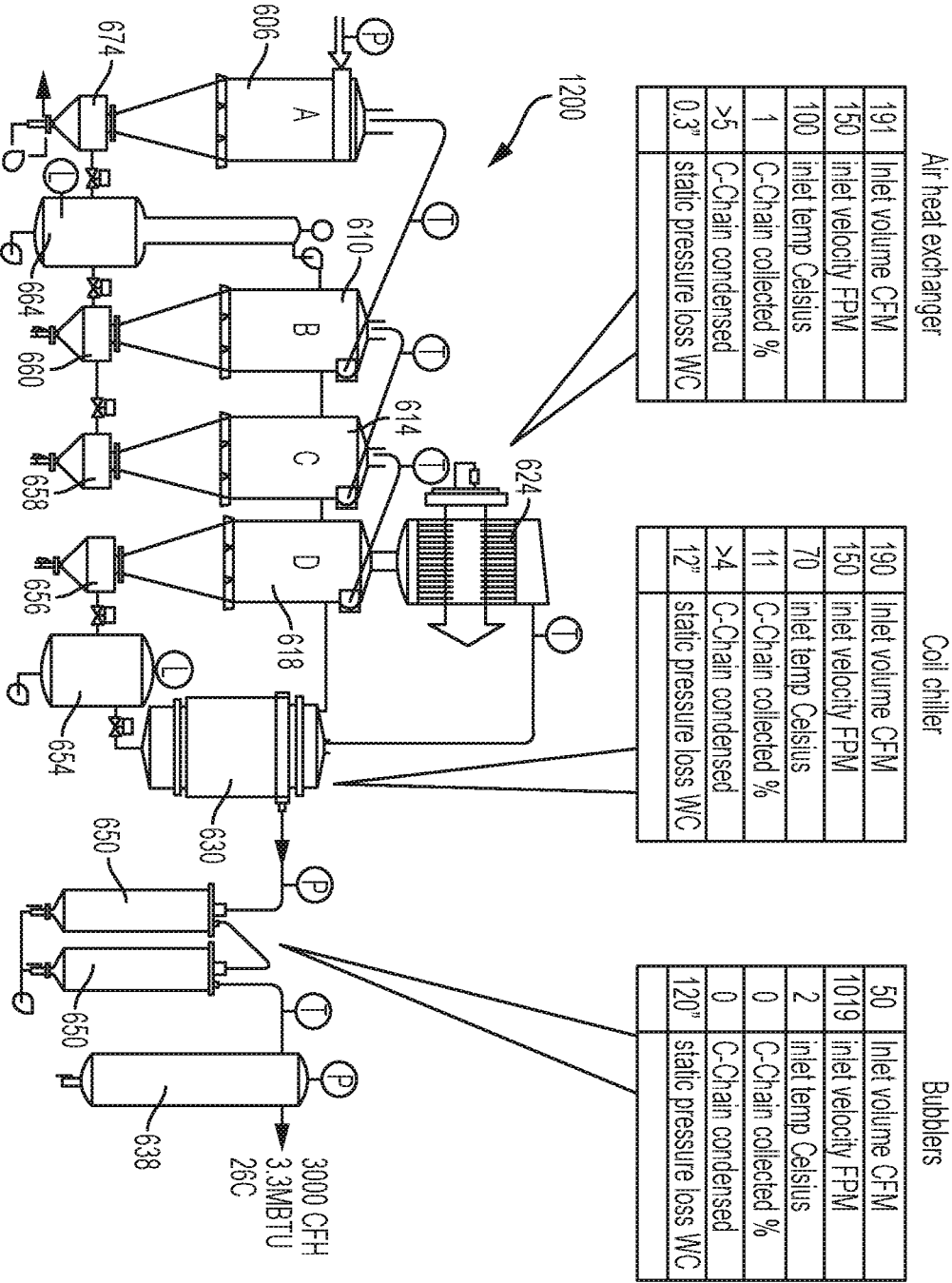


FIG. 12

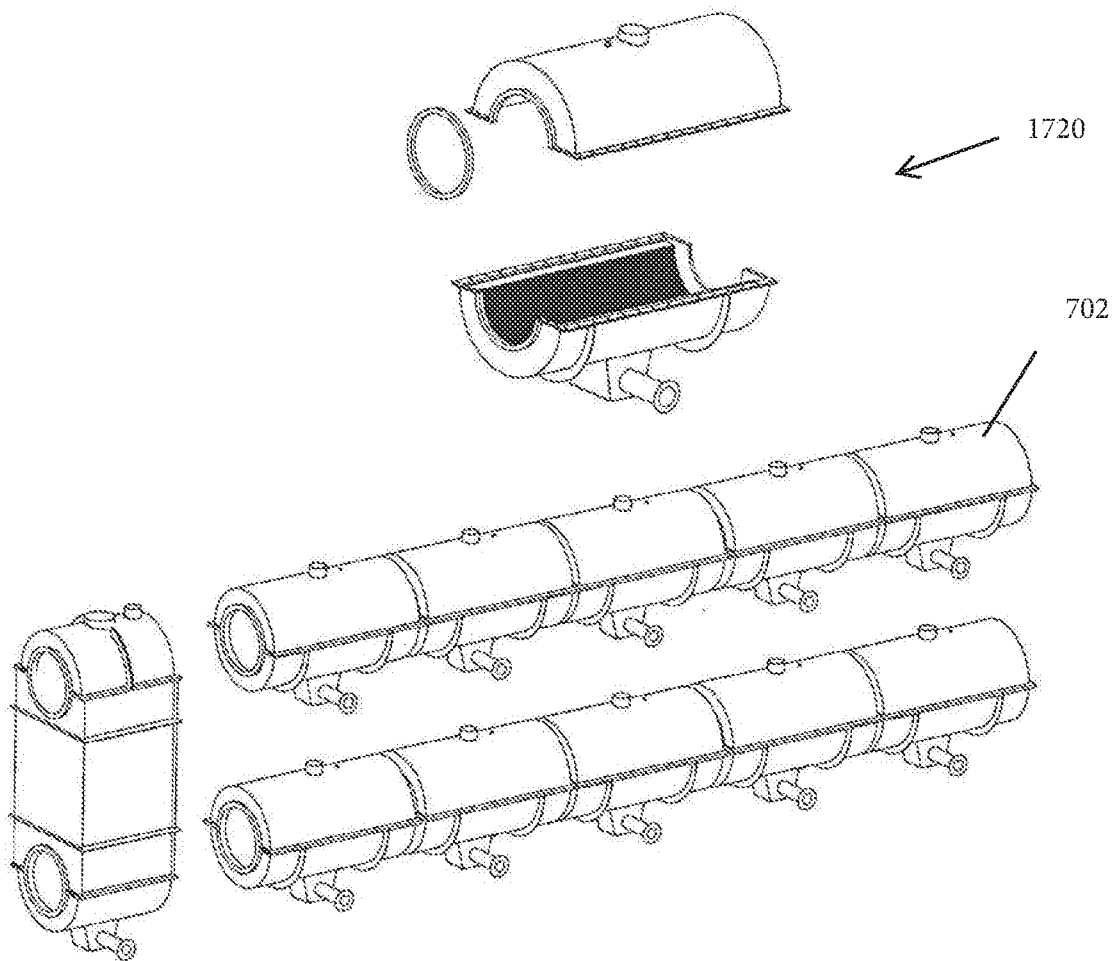


FIG. 13

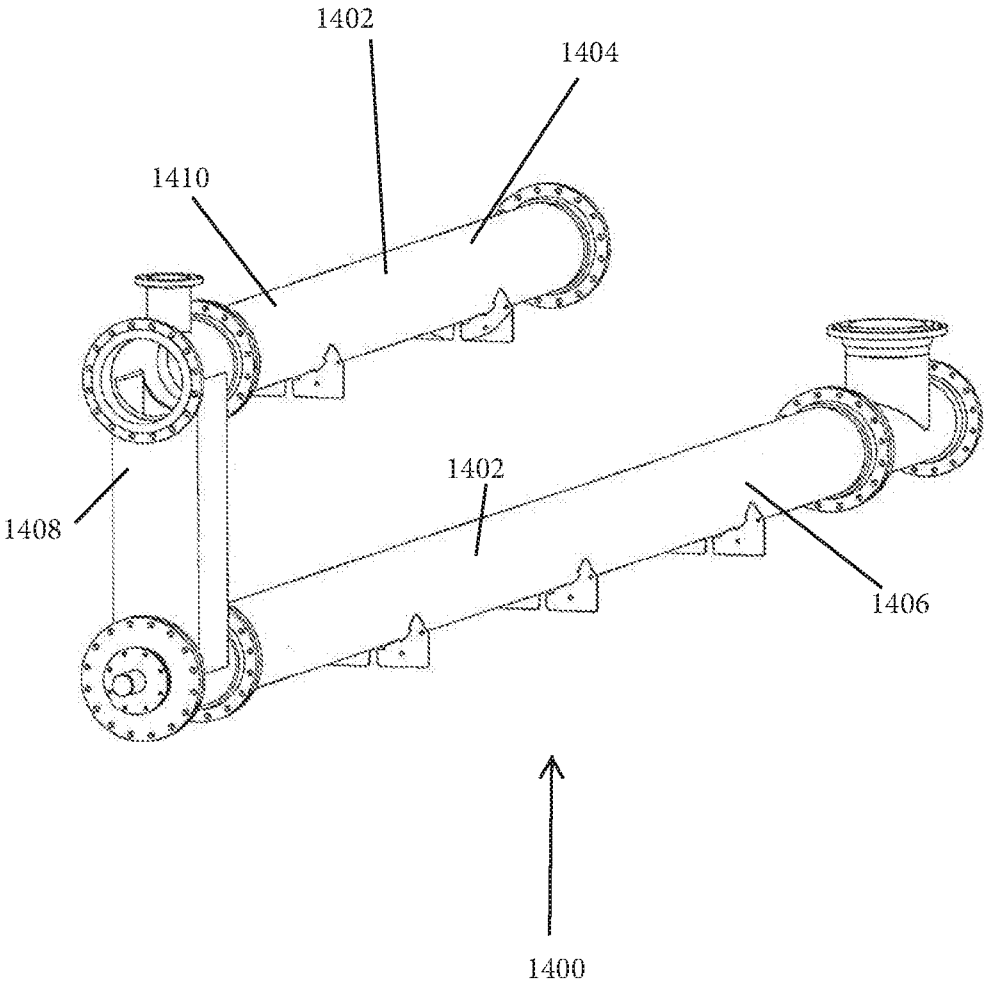


FIG. 14

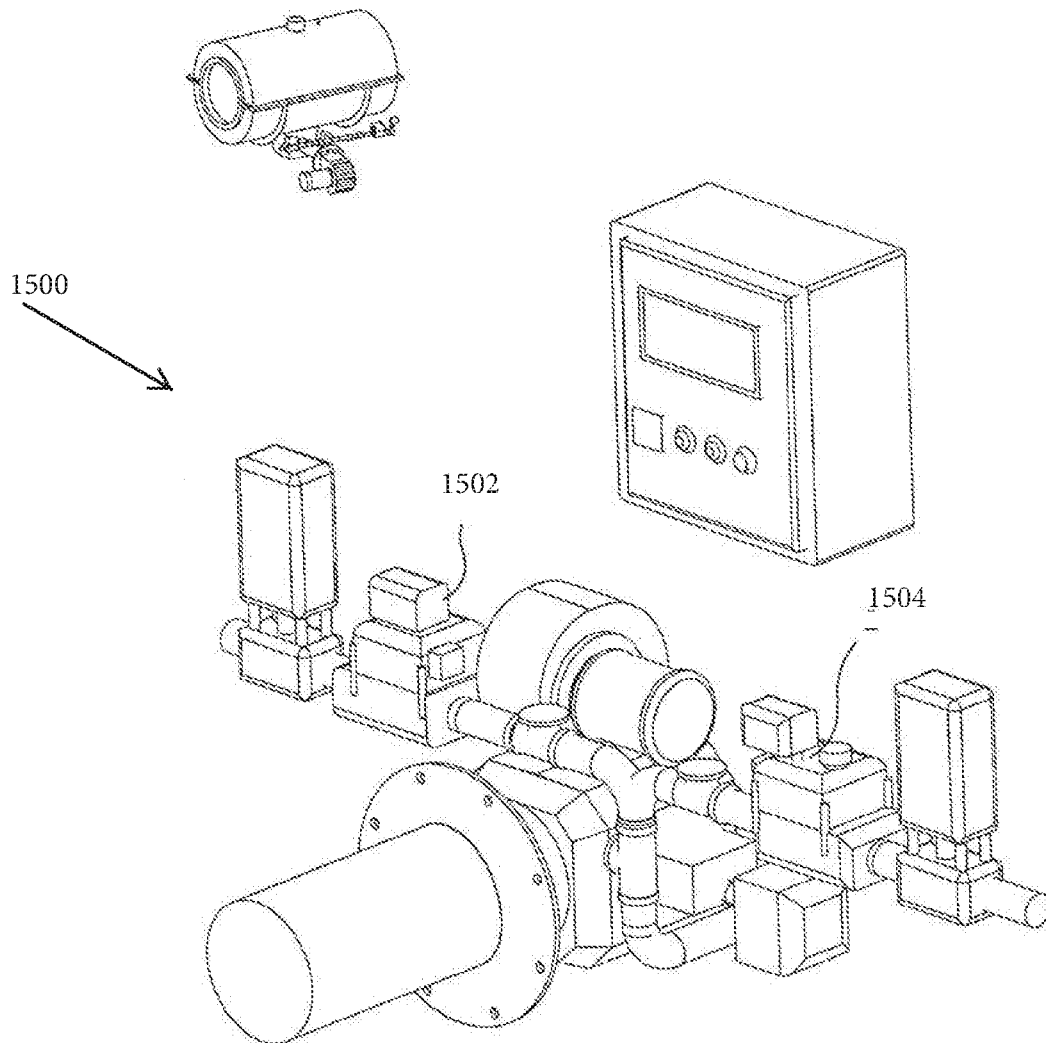


FIG. 15

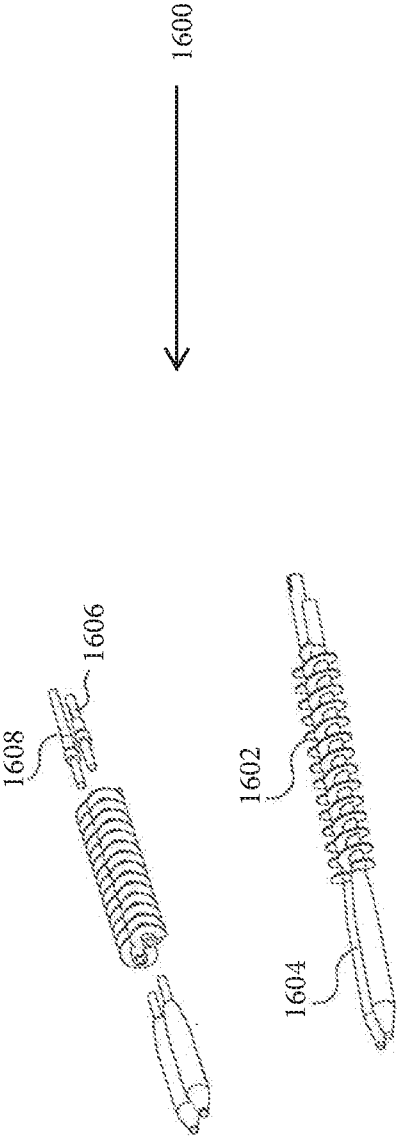
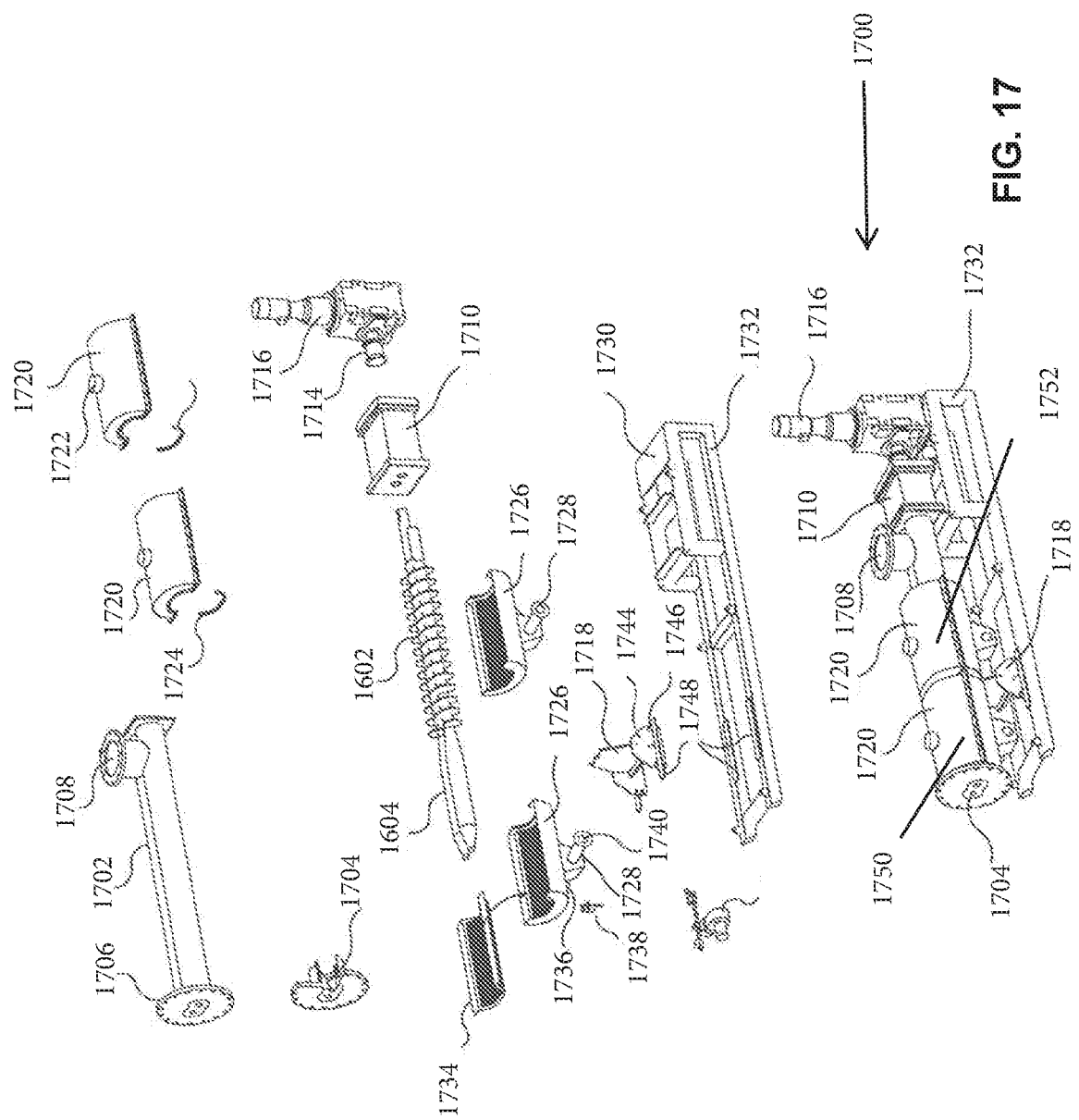


FIG. 16



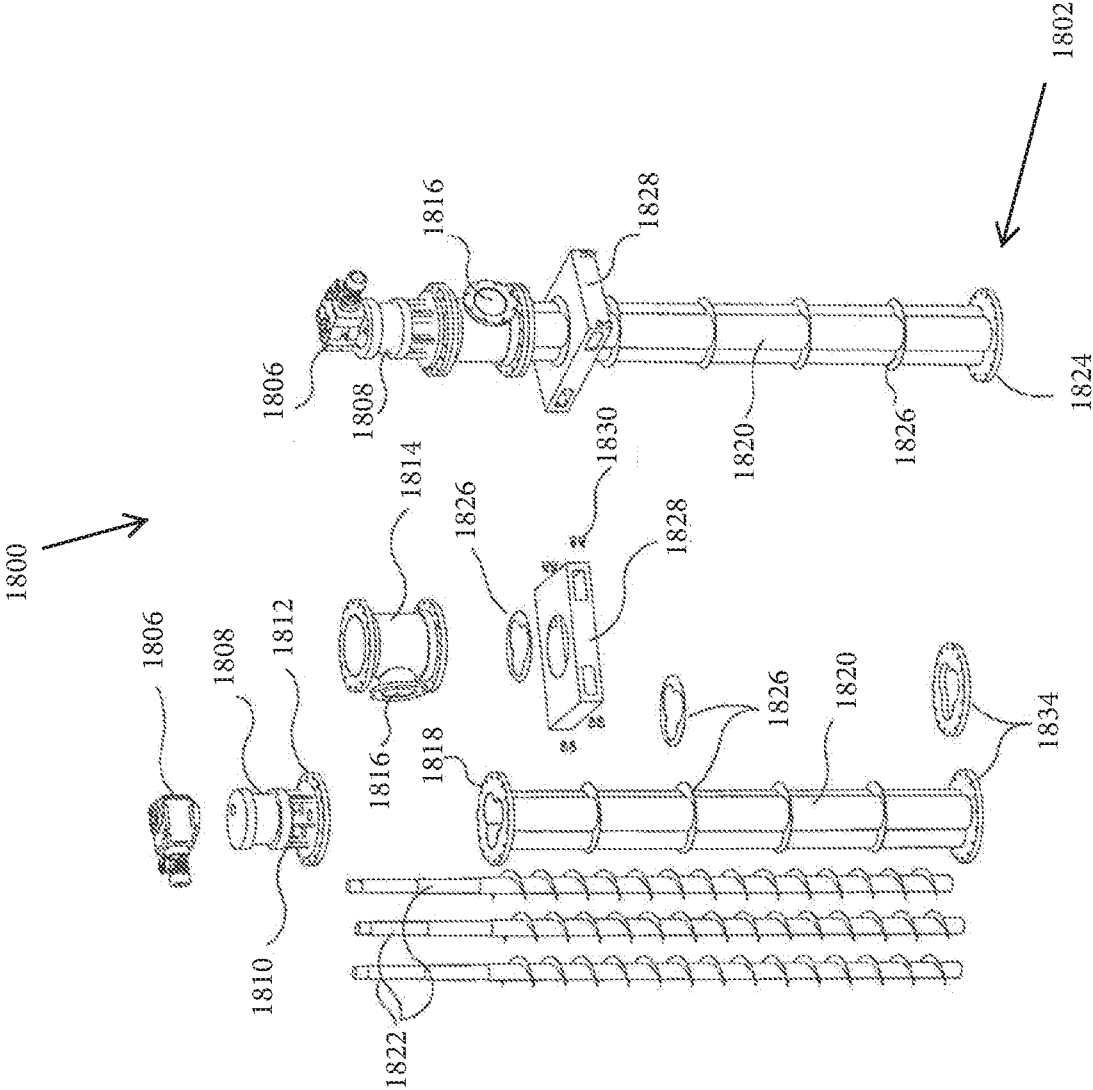


FIG. 18

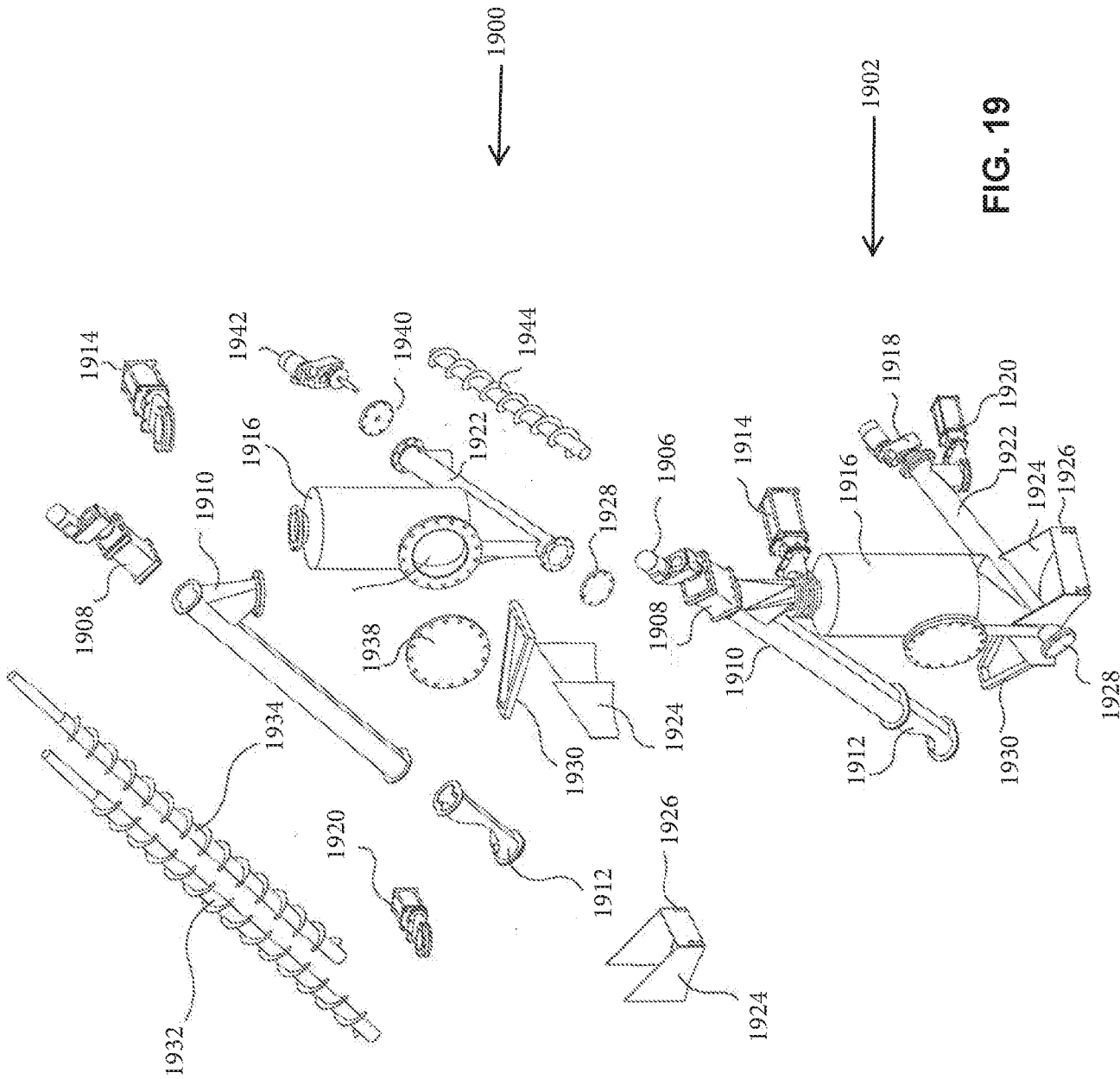


FIG. 19

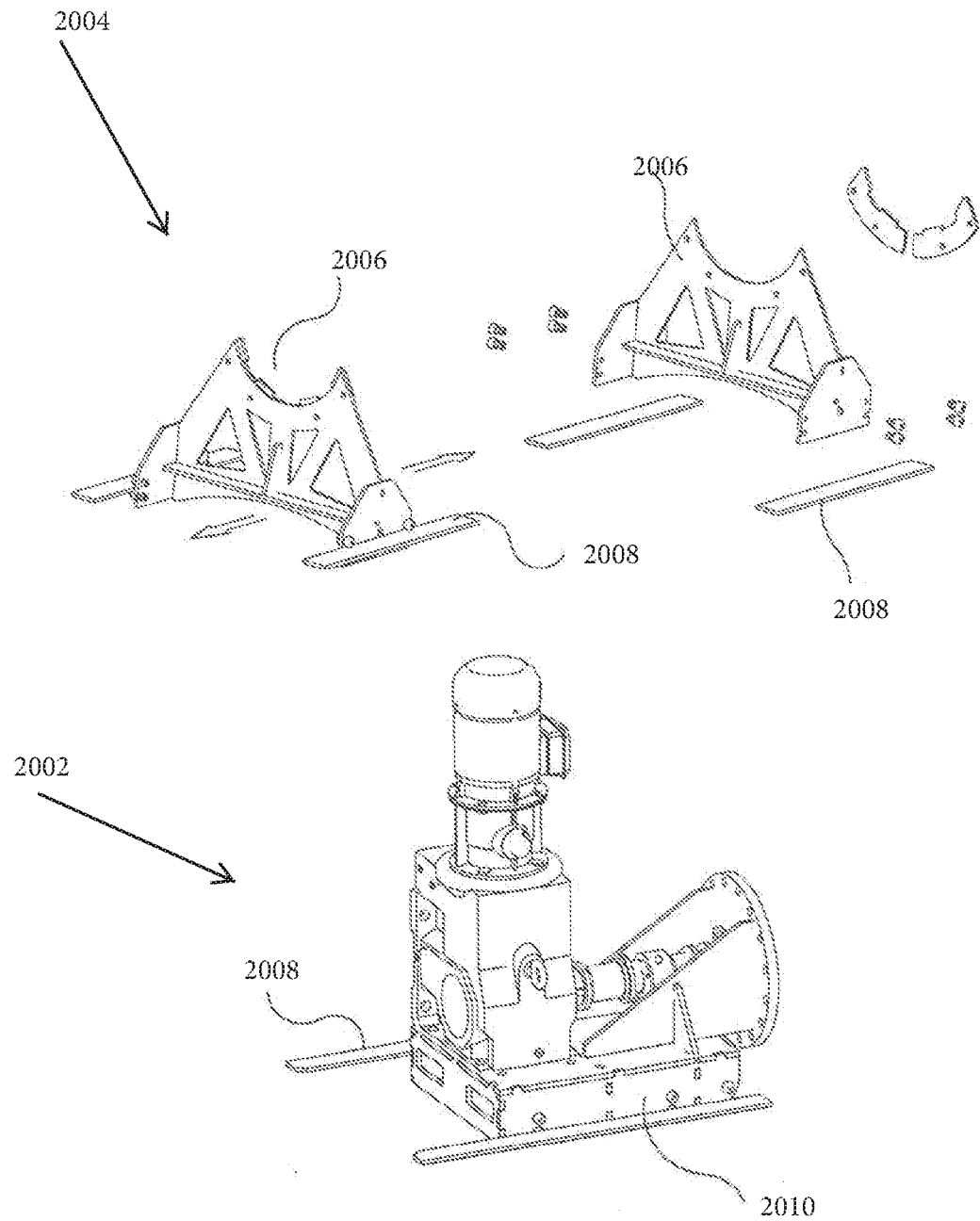


FIG. 20

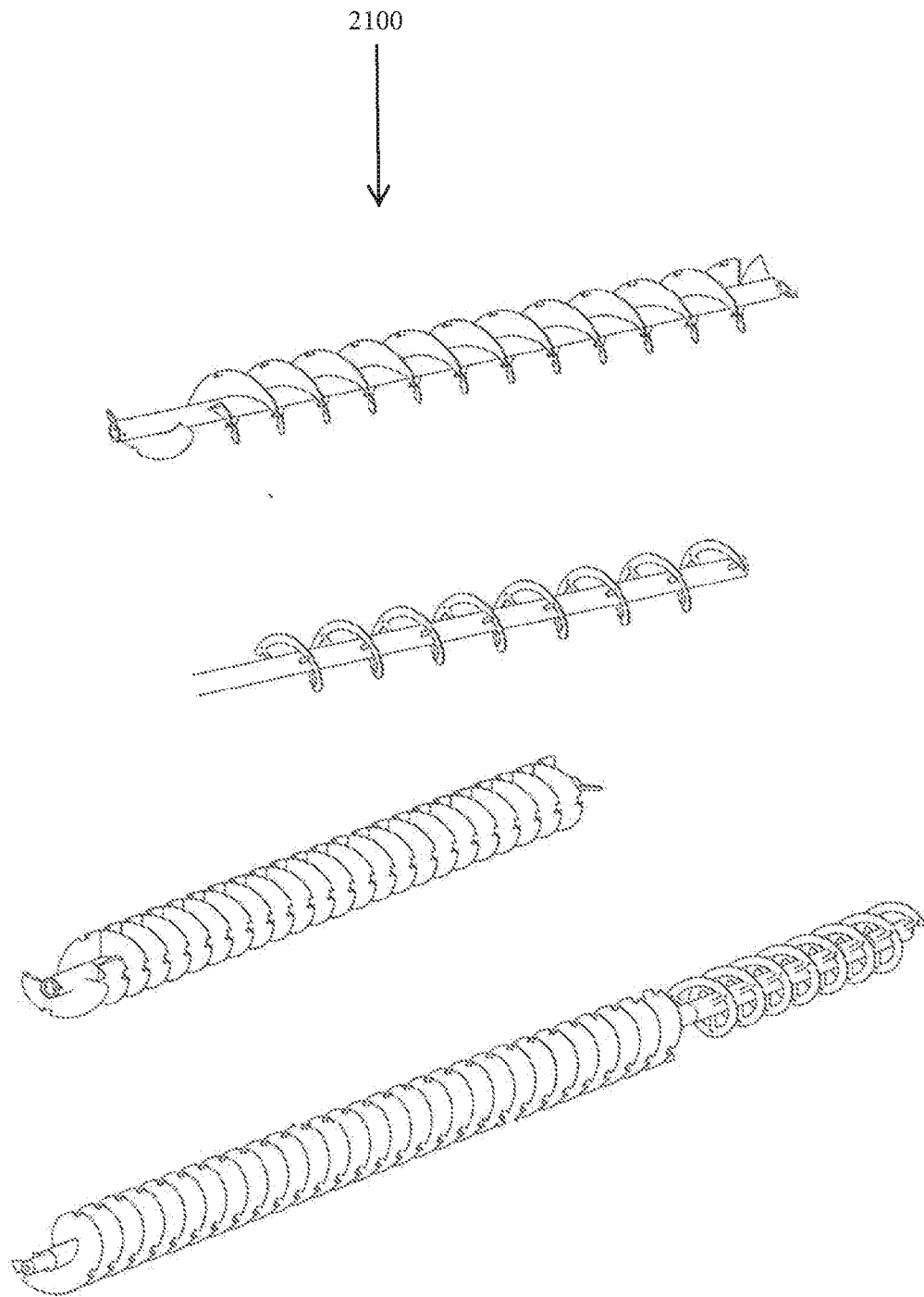


FIG. 21

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**Results of GCMS Analysis**

Summary of Identified Peaks (Probability >50%) and C-containing

Components

Table Percentage of components in plastic pyrolysis sample

Name	Percentage
(1-methylethyl)-benzene	0.20%
1,2,3,4-tetrahydro-2,6-dimethyl-naphthalene	0.84%
1,2,3,4-tetrahydro-2-methyl-naphthalene	0.29%
1,2,3,4-tetrahydro-naphthalene	0.36%
1-methyl-4-(1-methylpropyl)-benzene	0.29%
4-hydroxy-4-methyl-2-pentanone	0.19%
4-methyl-nonane	0.23%
4-methyl-octane	0.16%
Benzene	1.18%
Benzonitrile	0.34%
Benzophenone	0.22%
Biphenyl	1.19%
Ethylbenzene	1.72%
Naphthalene	1.09%
Propyl-benzene	0.29%
Toluene	2.88%
C6	0.28%
C7	0.68%
C8	6.97%
C9	11.18%
C10	11.16%
C11	12.17%
C12	9.32%
C13	8.13%
C14	4.97%
C15	4.51%
C16	3.59%
C17	3.03%
C18	2.40%
C19	3.80%
C20	2.27%
C21	0.80%
C22	2.20%
C23	0.46%
C24	0.31%
C25	0.13%
C27	0.11%
C35	0.07%

FIG. 22