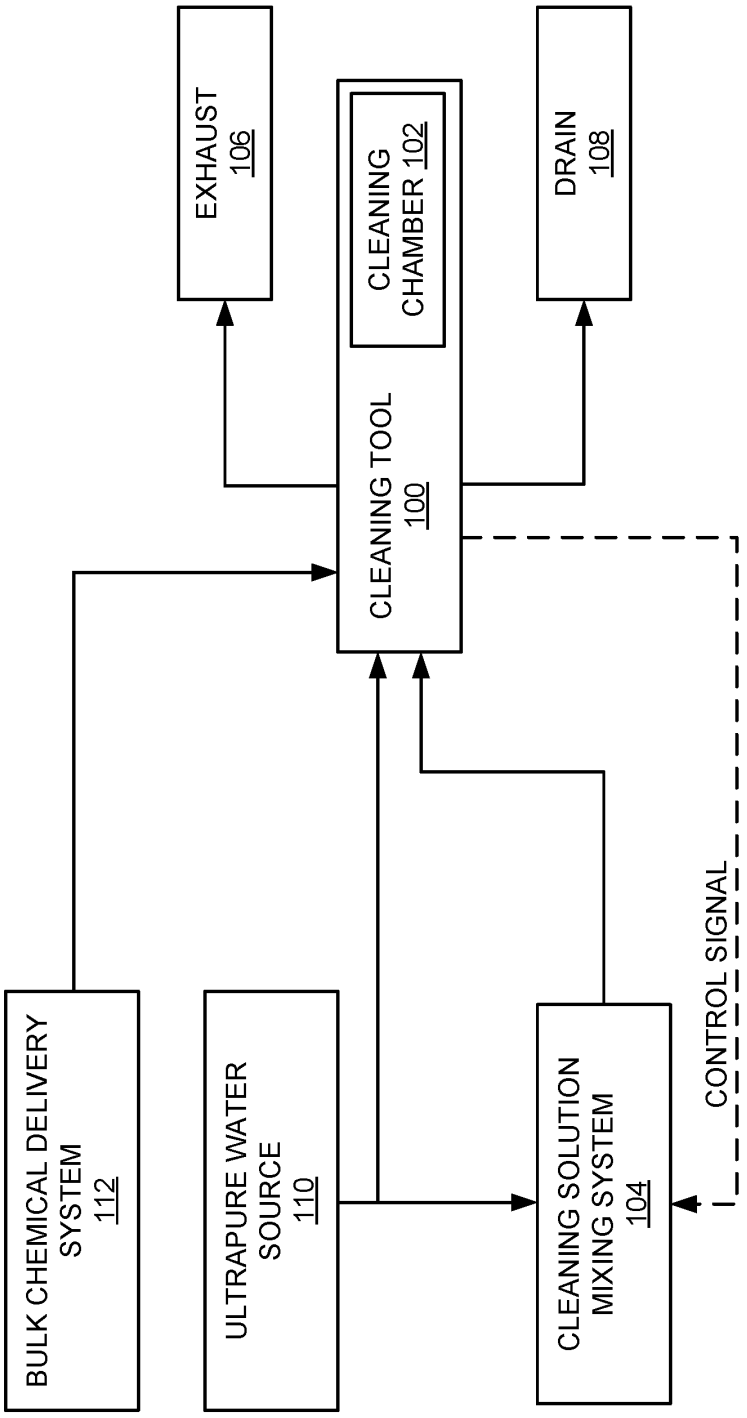

EXHAUST
106
CLEANING
CHAMBER 102
DRAIN
108
CLEANING TOOL
100
BULK CHEMICAL DELIVERY
SYSTEM
112
ULTRAPURE WATER
SOURCE
110
CLEANING SOLUTION
MIXING SYSTEM
104
CONTROL SIGNAL

FIG. 1

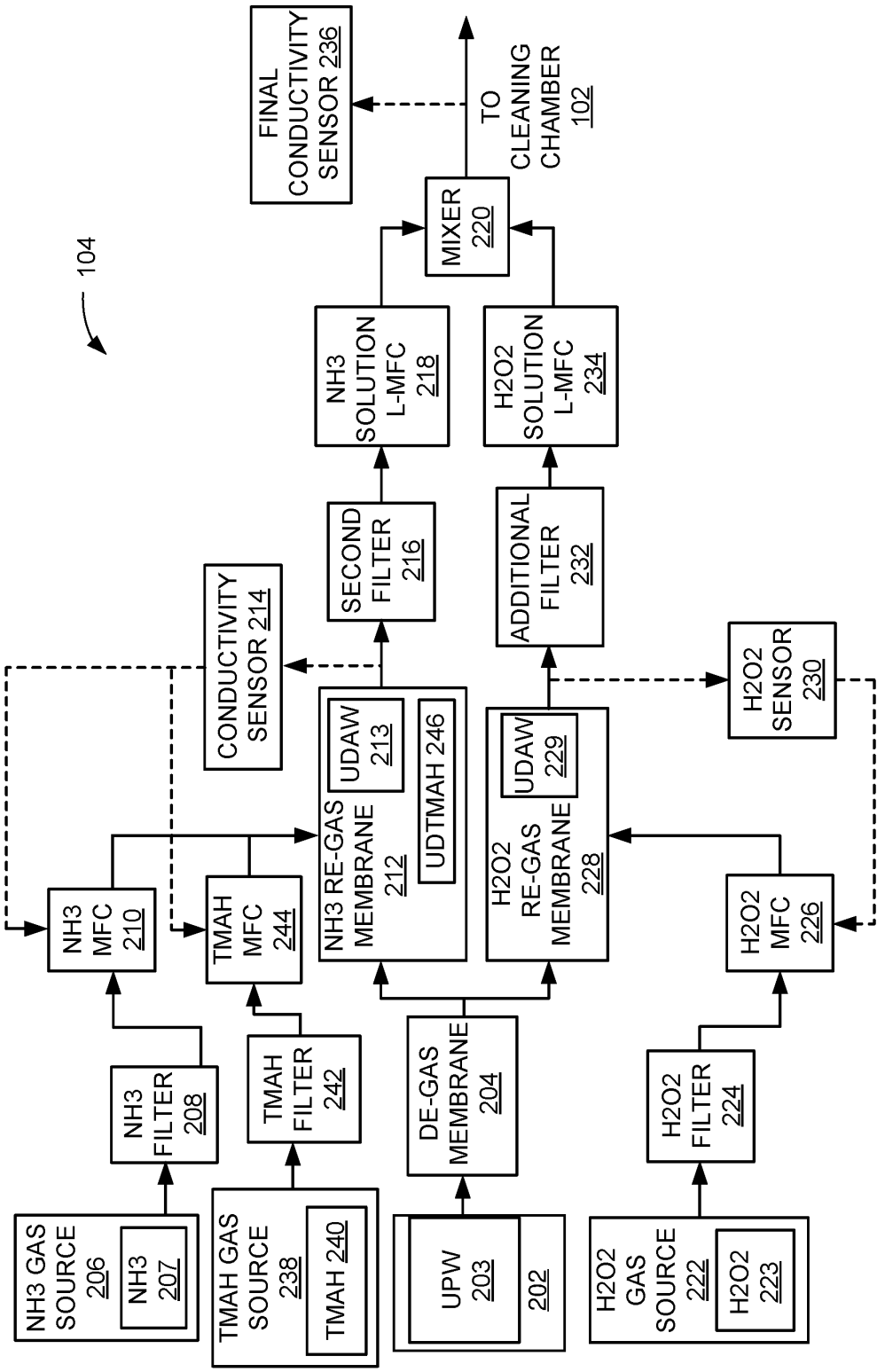

104
NH3 GAS SOURCE 206
NH3 207
TMAH GAS SOURCE 238
TMAH 240
UPW 203
202
H2O2 GAS SOURCE 222
H2O2 223
NH3 FILTER 208
TMAH FILTER 242
DE-GAS MEMBRANE 204
H2O2 FILTER 224
NH3 MFC 210
TMAH MFC 244
NH3 RE-GAS MEMBRANE 212
UDAW 213
UDTMAH 246
H2O2 RE-GAS MEMBRANE 228
UDAW 229
H2O2 MFC 226
CONDUCTIVITY SENSOR 214
SECOND FILTER 216
ADDITIONAL FILTER 232
H2O2 SENSOR 230
NH3 SOLUTION L-MFC 218
H2O2 SOLUTION L-MFC 234
MIXER 220
FINAL CONDUCTIVITY SENSOR 236
TO CLEANING CHAMBER 102

FIG. 2

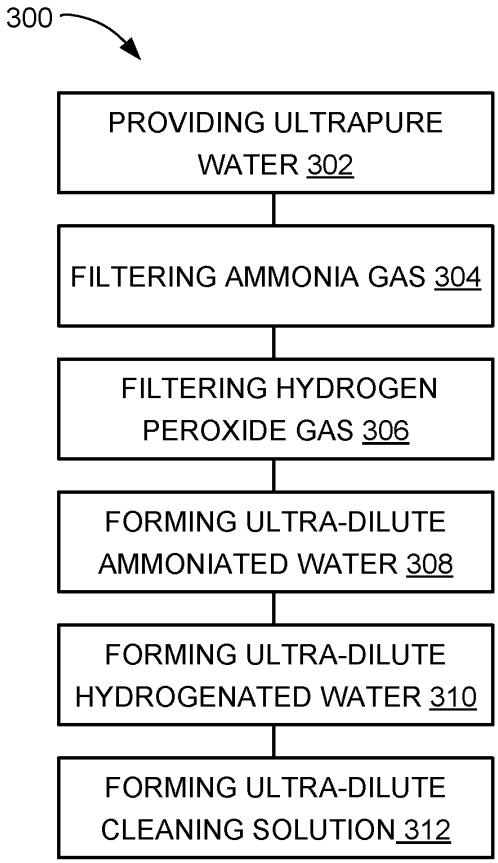

300
PROVIDING ULTRAPURE WATER 302
FILTERING AMMONIA GAS 304
FILTERING HYDROGEN PEROXIDE GAS 306
FORMING ULTRA-DILUTE AMMONIATED WATER 308
FORMING ULTRA-DILUTE HYDROGENATED WATER 310
FORMING ULTRA-DILUTE CLEANING SOLUTION 312

FIG. 3