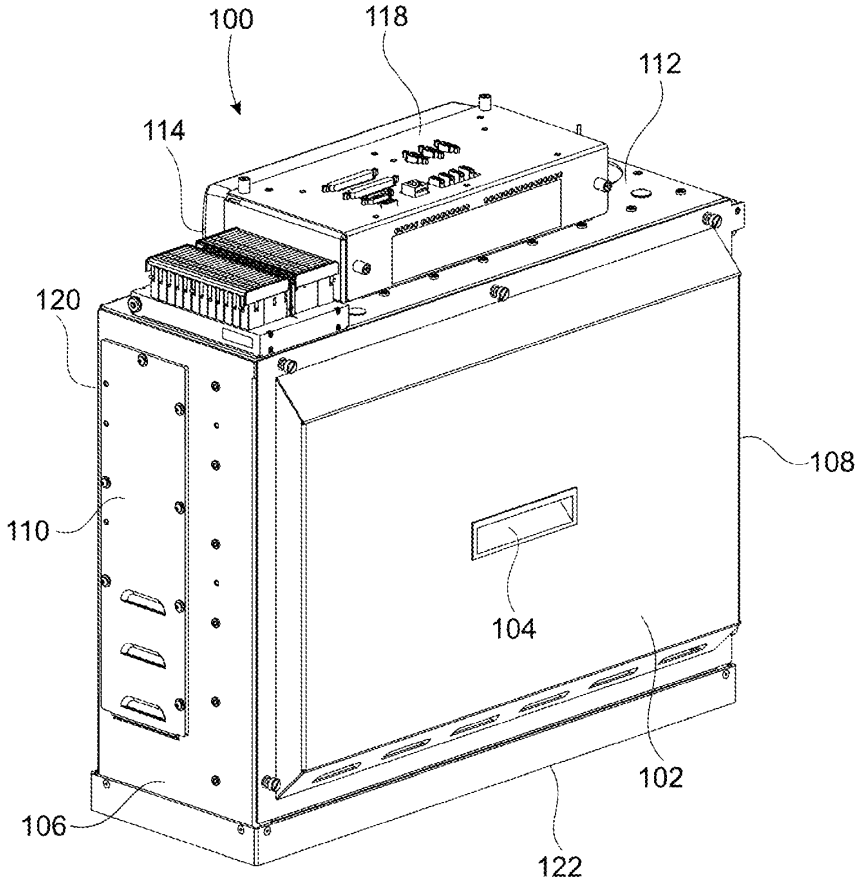


FIG. 1

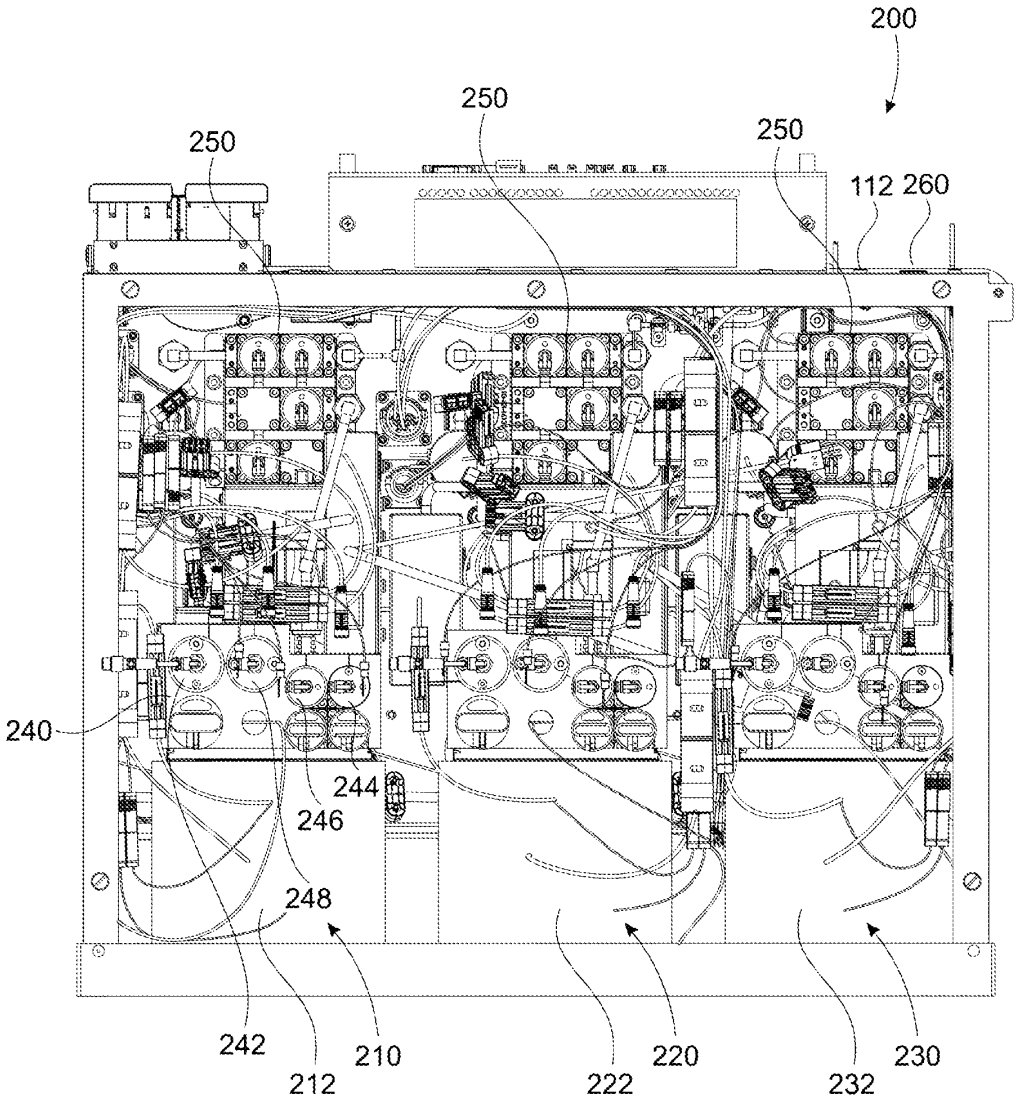

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246
248
242
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222
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232
230

FIG. 2

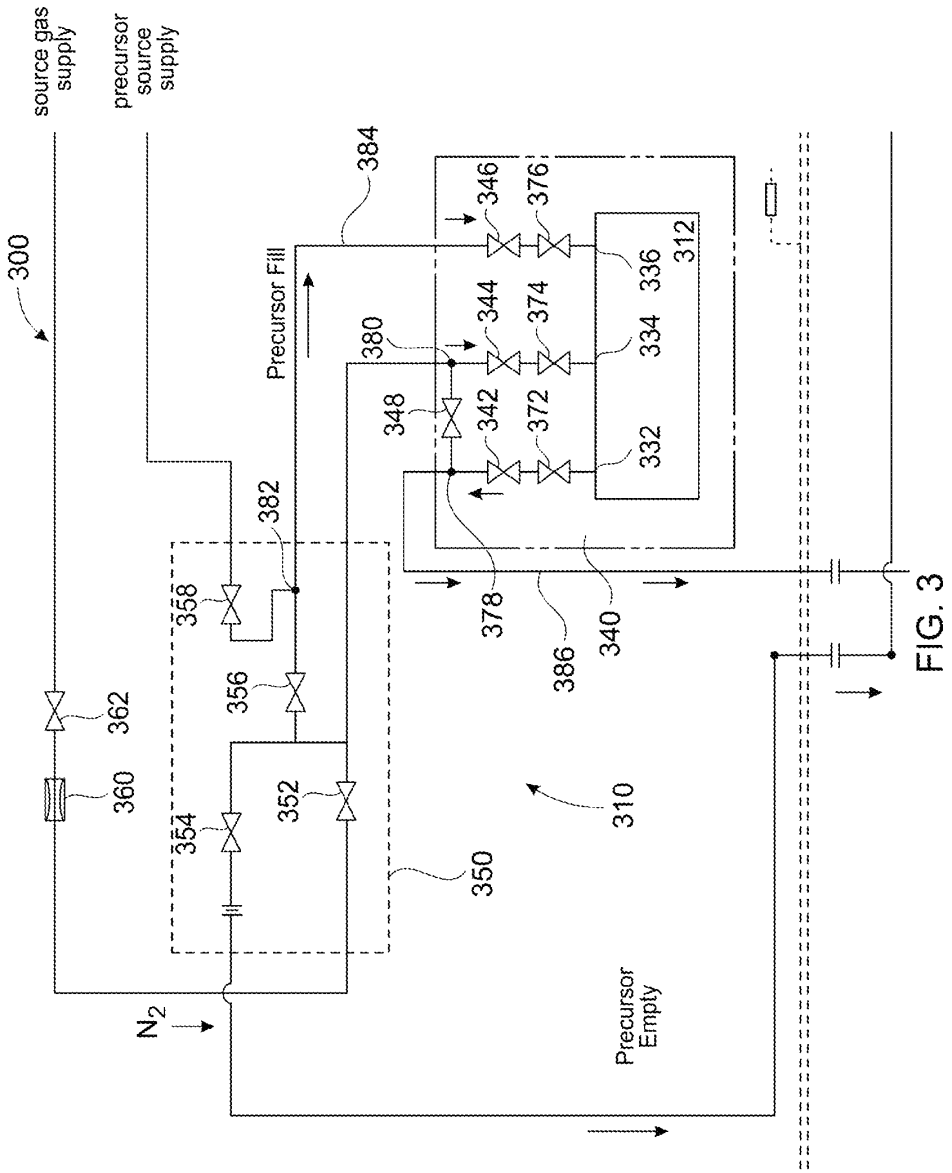

source gas supply
precursor source supply
300
384
346
376
312
336
Precursor Fill
380
344
374
334
348
342
372
332
382
358
356
362
360
352
354
350
310
378
386
340
N_2
Precursor Empty

FIG. 3

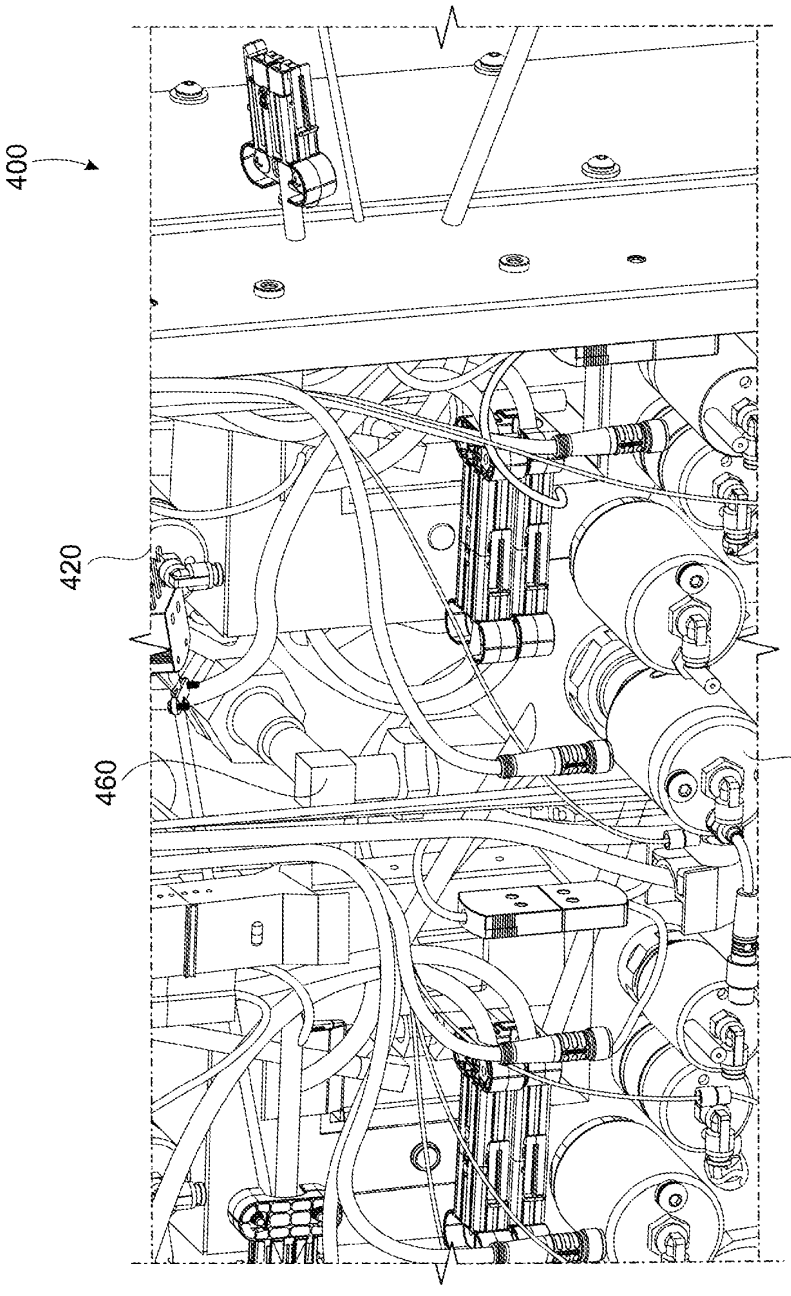


FIG. 4

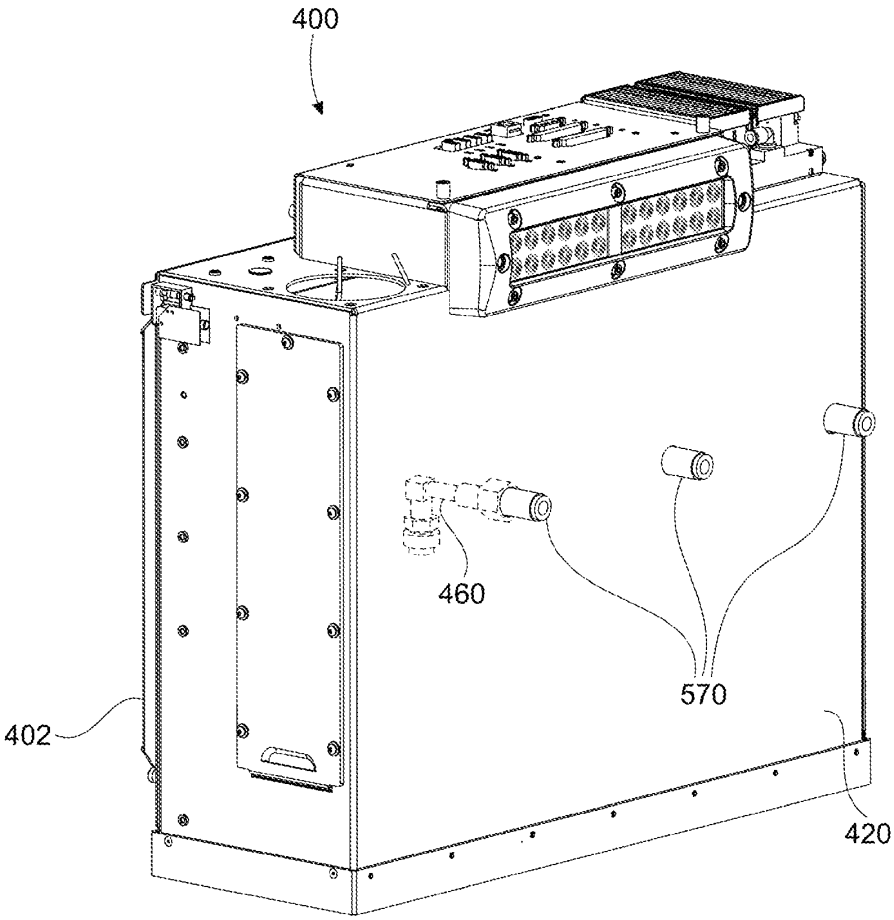


FIG. 5

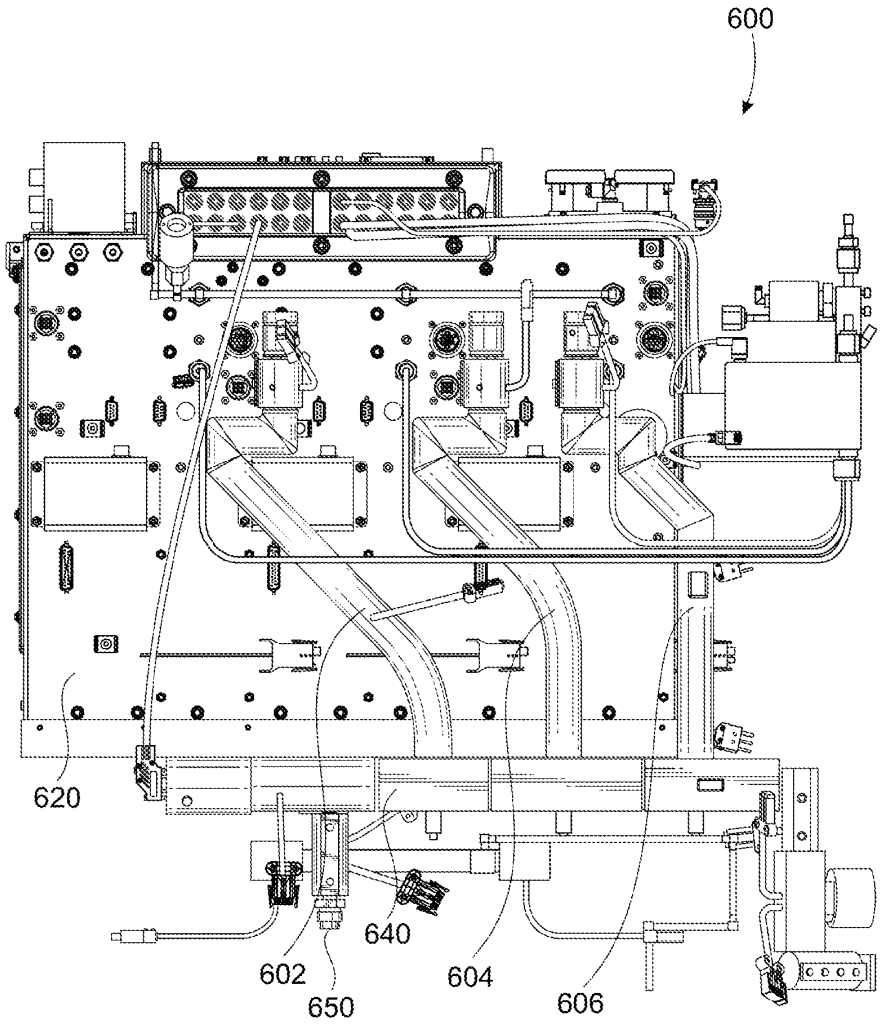


FIG. 6

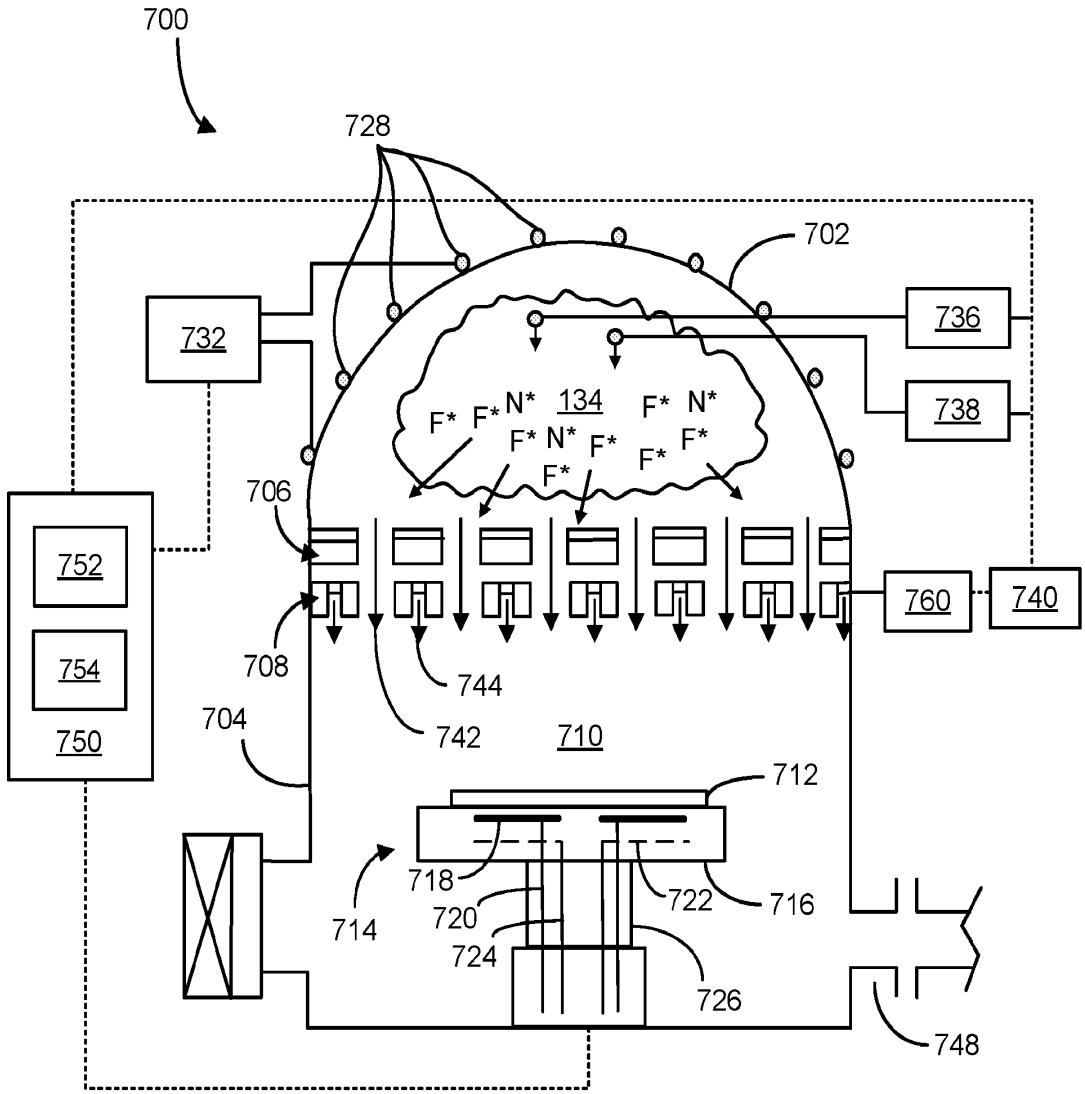

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738
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F* N* F* F* F*
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740
708
744
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714
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748

FIG. 7