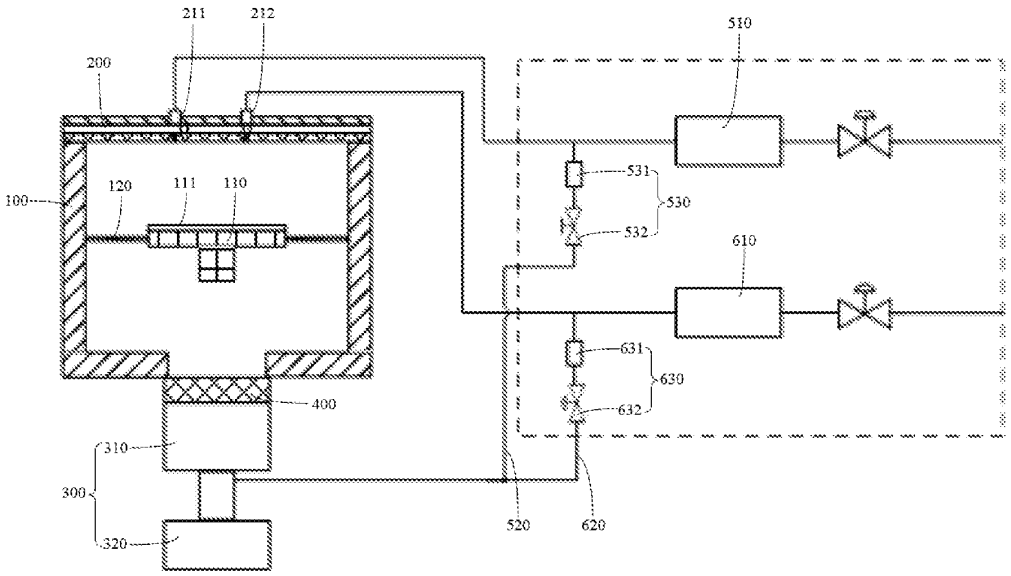

211
212
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120
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531
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610
631
630
632
400
310
300
320
520
620

图 1

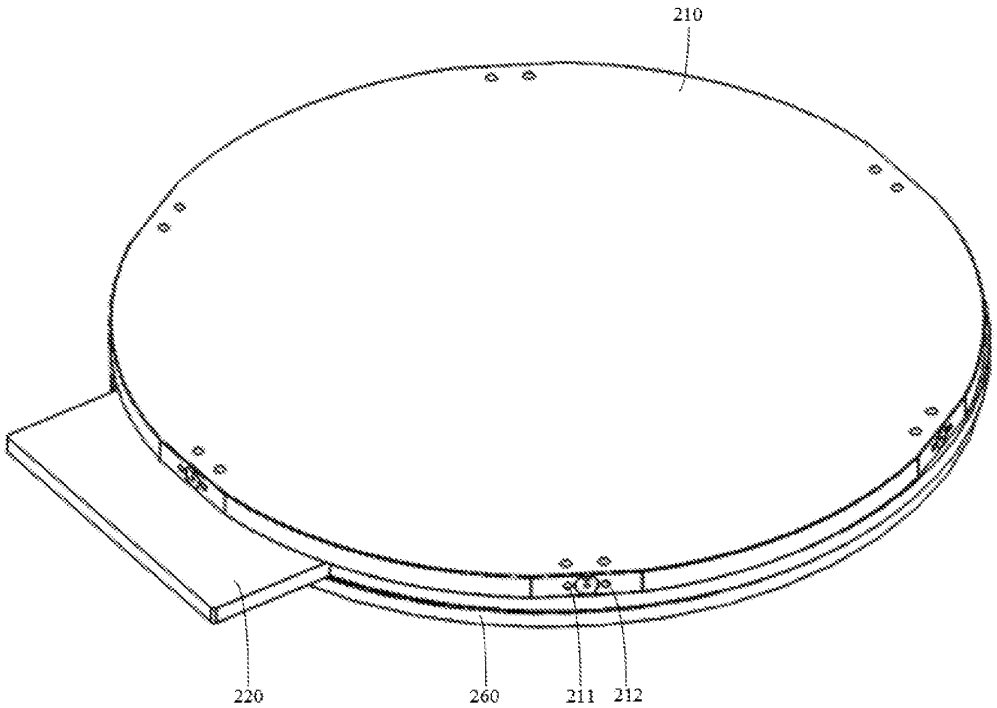

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211
212

图 2

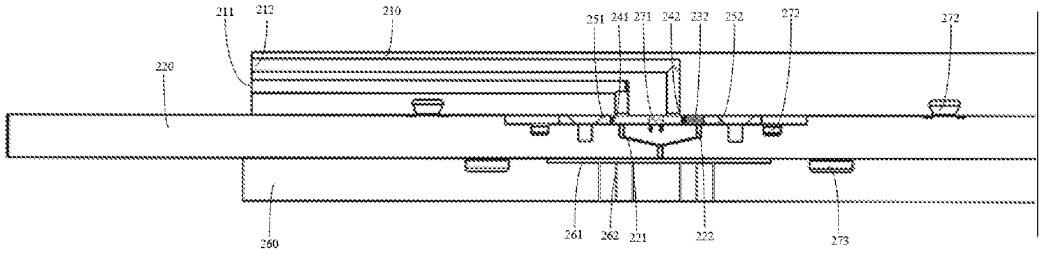

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232
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262
221
222
273

图 3

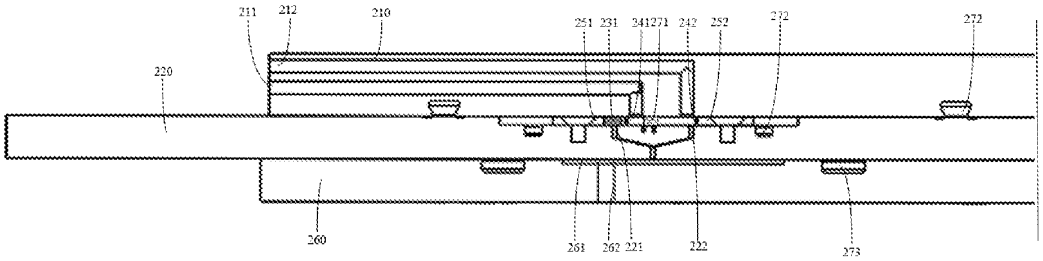

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242
252
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272
220
260
261
262
221
222
273

图 4

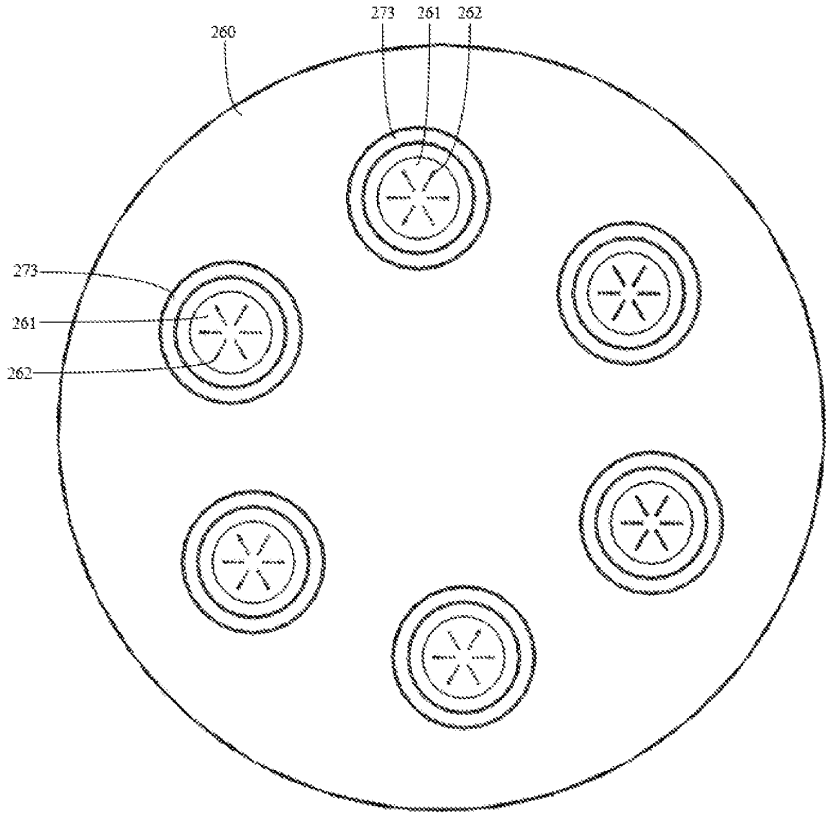

260
273
261
262
273
261
262

图 5

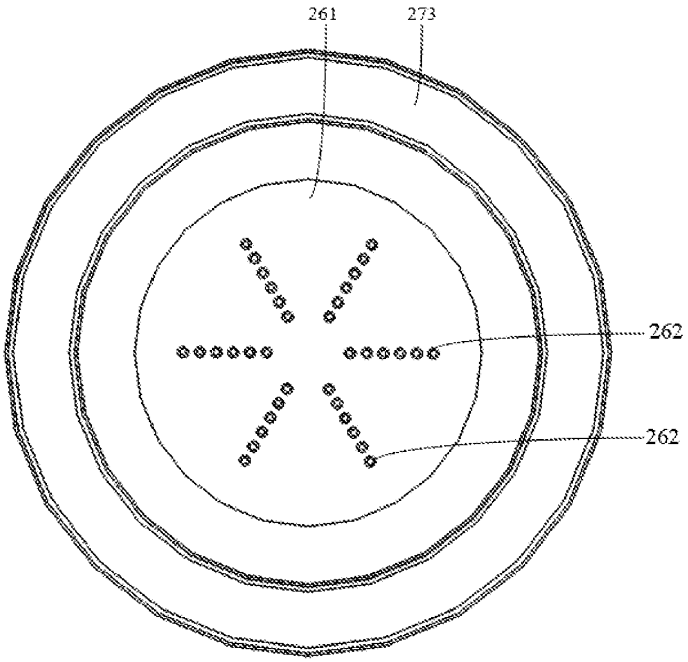


图 6

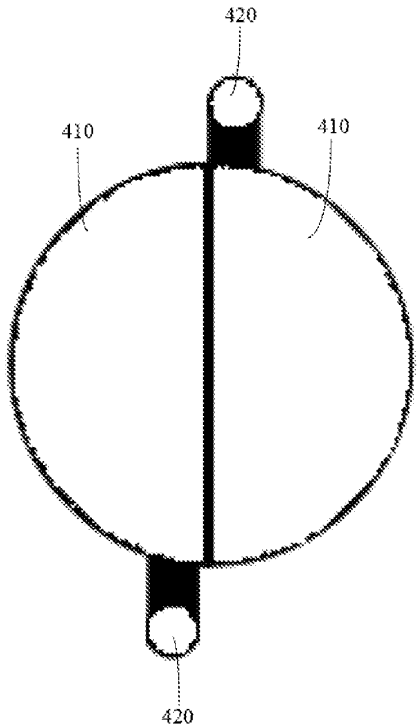


图 7

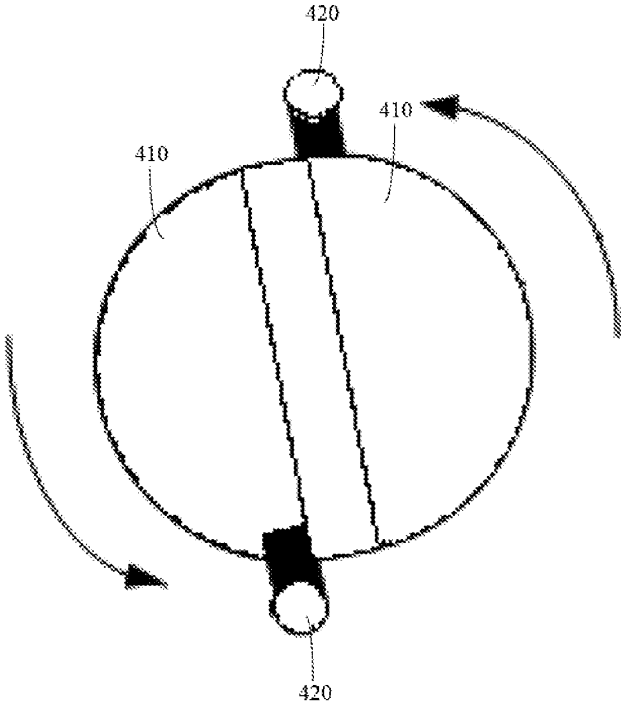


图 8

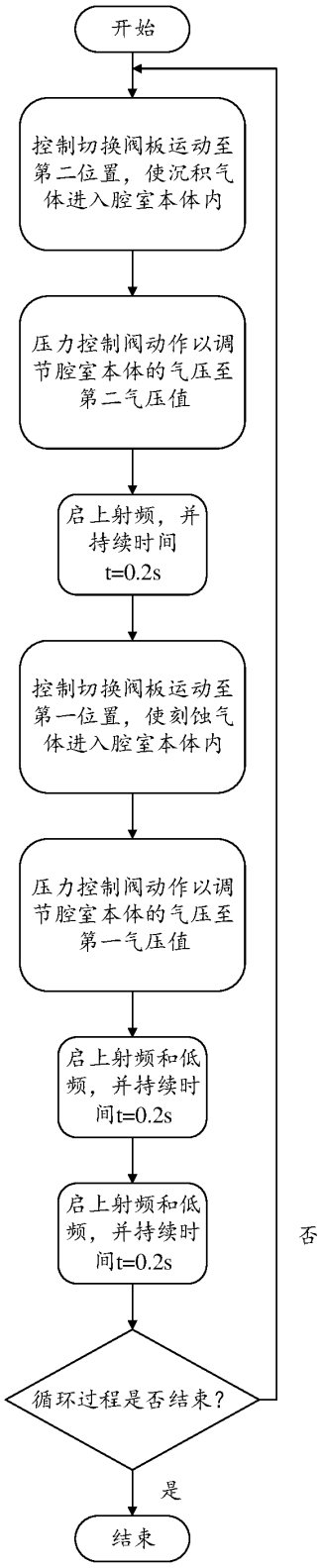

开始
控制切换阀板运动至第二位置，使沉积气体进入腔室本体内
压力控制阀动作以调节腔室本体的气压至第二气压值
启上射频，并持续时间t=0.2s
控制切换阀板运动至第一位置，使刻蚀气体进入腔室本体内
压力控制阀动作以调节腔室本体的气压至第一气压值
启上射频和低频，并持续时间t=0.2s
启上射频和低频，并持续时间t=0.2s
循环过程是否结束？
否
是
结束

图 9

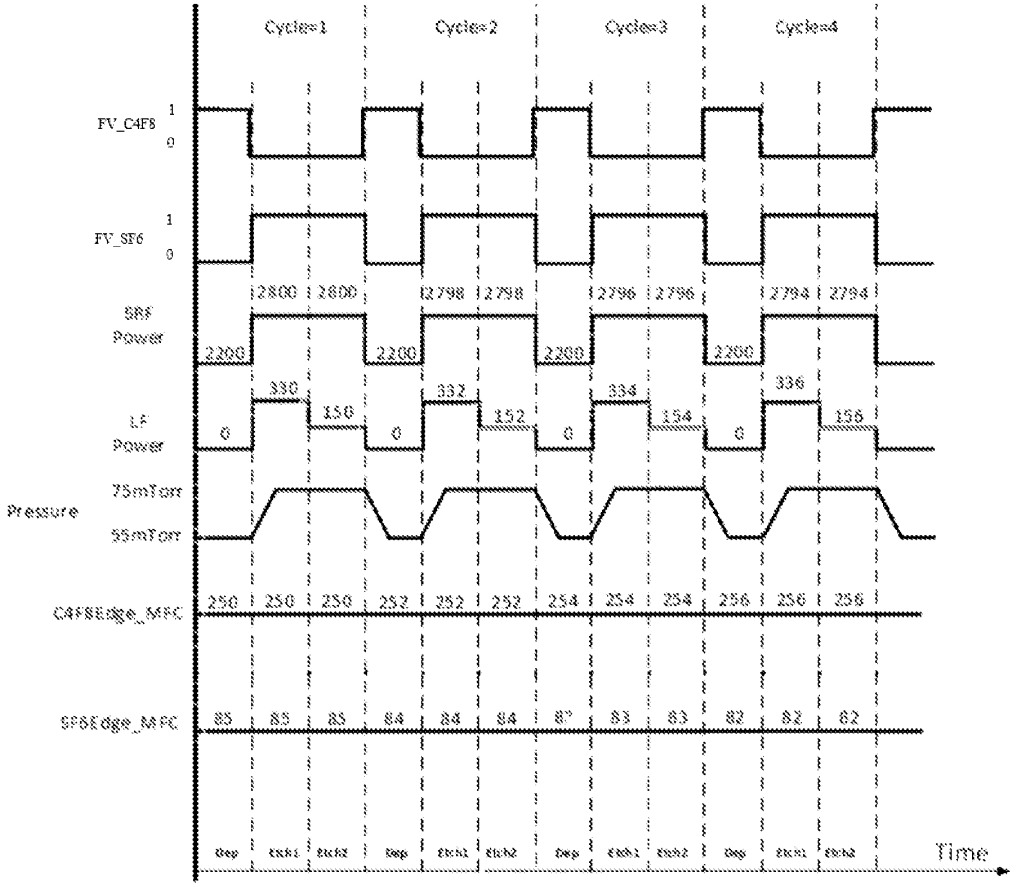

Cycle=1
Cycle=2
Cycle=3
Cycle=4
FV_C4F8
FV_SF6
SRF Power
LF Power
Pressure
75mTorr
55mTorr
Time

图 10

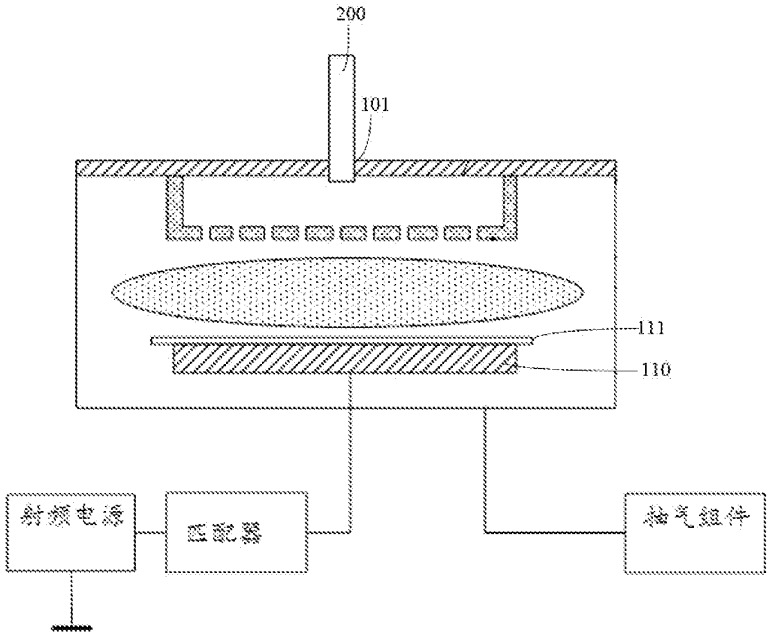

200
101
111
110
射频电源
匹配器
抽气组件

图 11

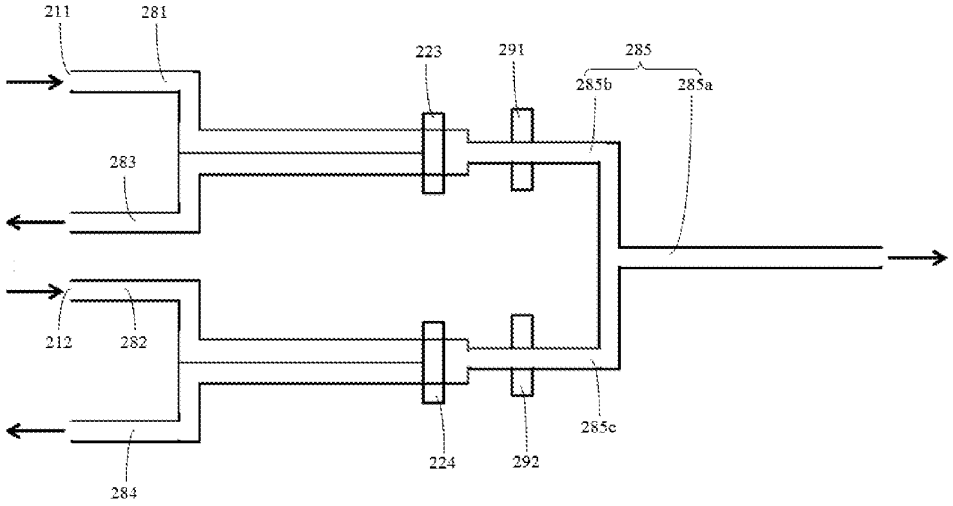

211
281
223
291
285
285b
285a
283
212
282
285c
224
292
284

图 12

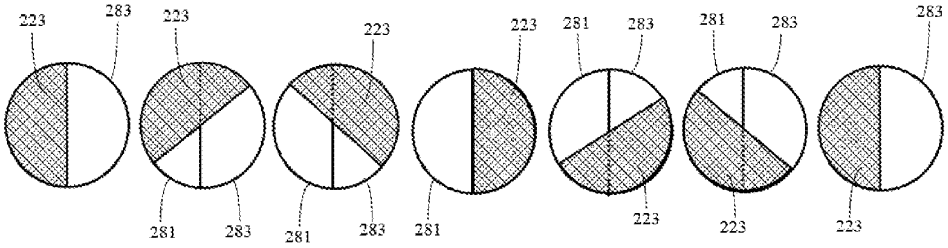

223
283
223
223
223
281
283
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283
281
283
281
283
223
223
223

图 13