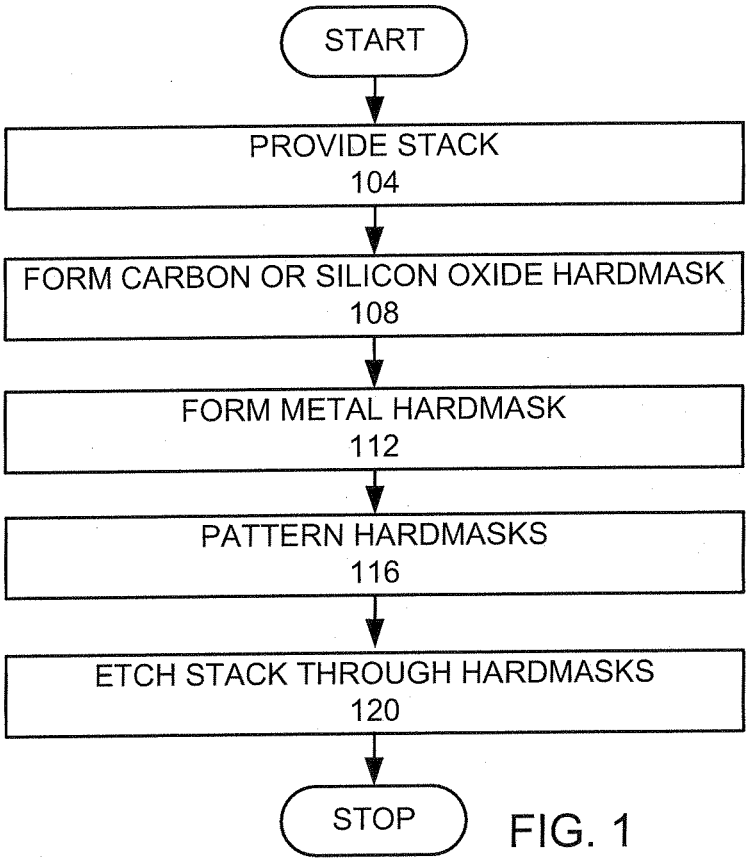

START
PROVIDE STACK
104
FORM CARBON OR SILICON OXIDE HARDMASK
108
FORM METAL HARDMASK
112
PATTERN HARDMASKS
116
ETCH STACK THROUGH HARDMASKS
120
STOP

FIG. 1

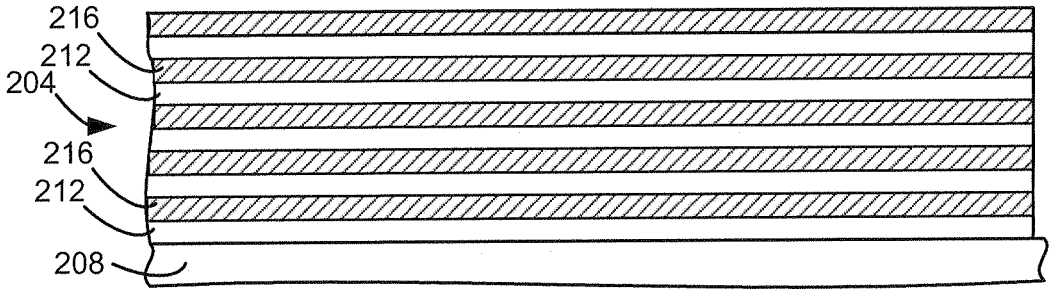


FIG. 2A

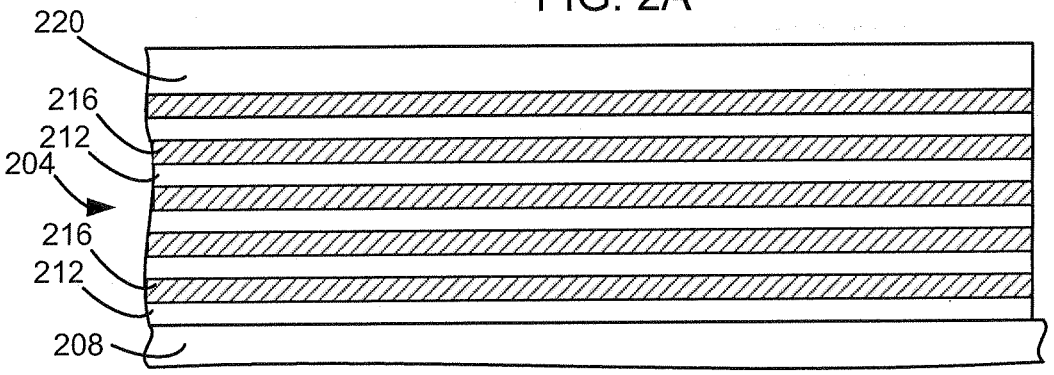


FIG. 2B

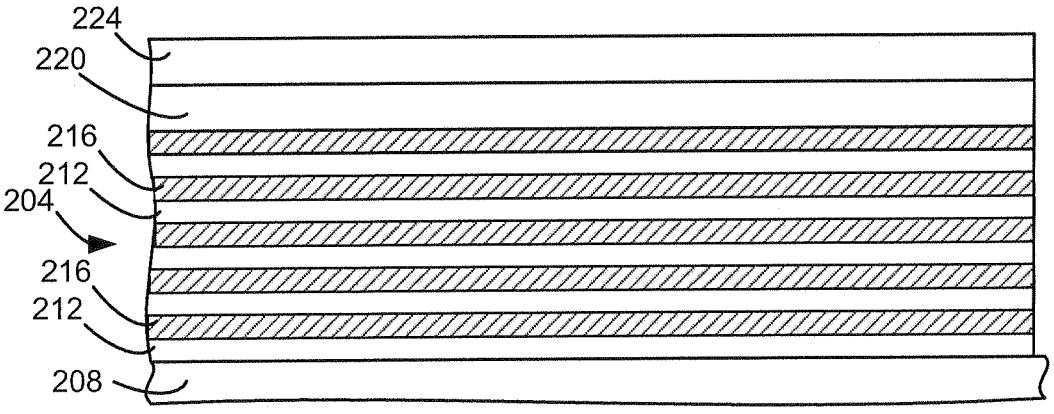


FIG. 2C

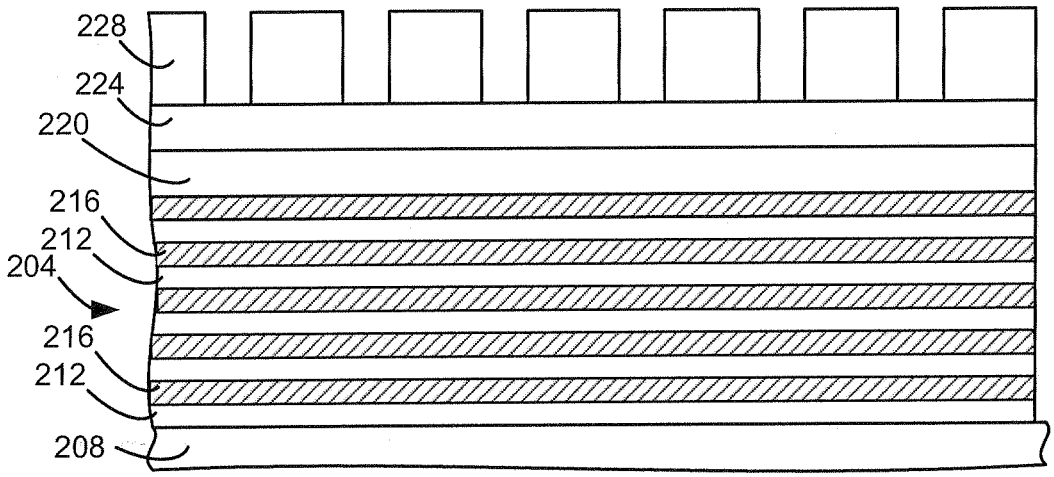


FIG. 2D

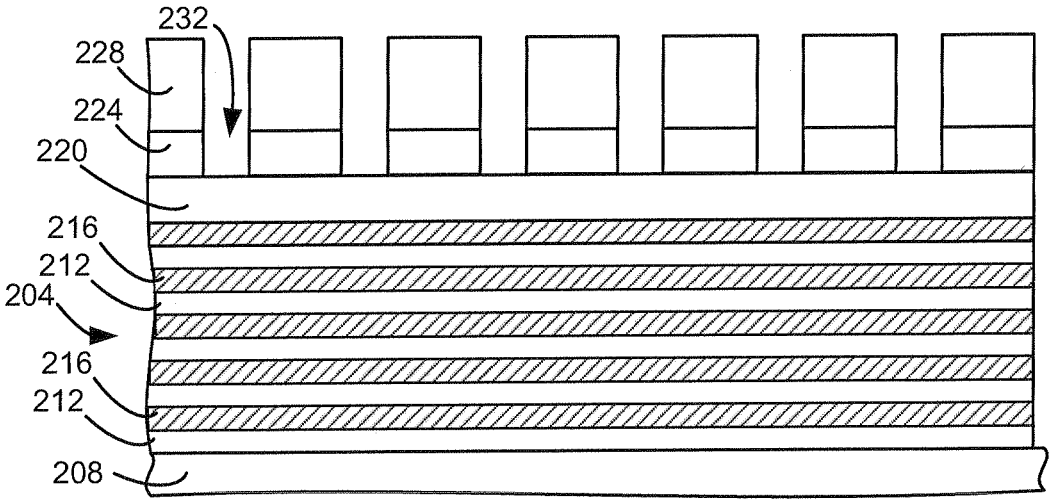


FIG. 2E

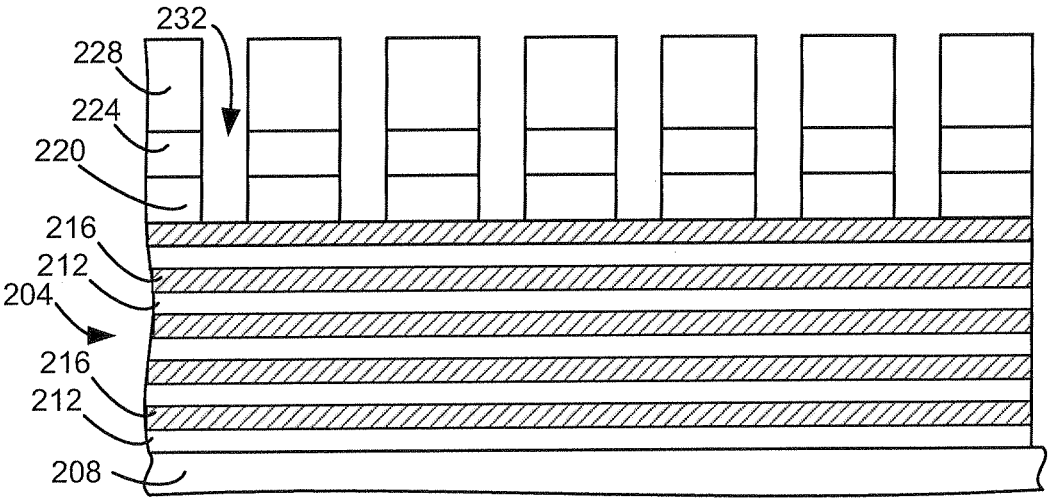


FIG. 2F

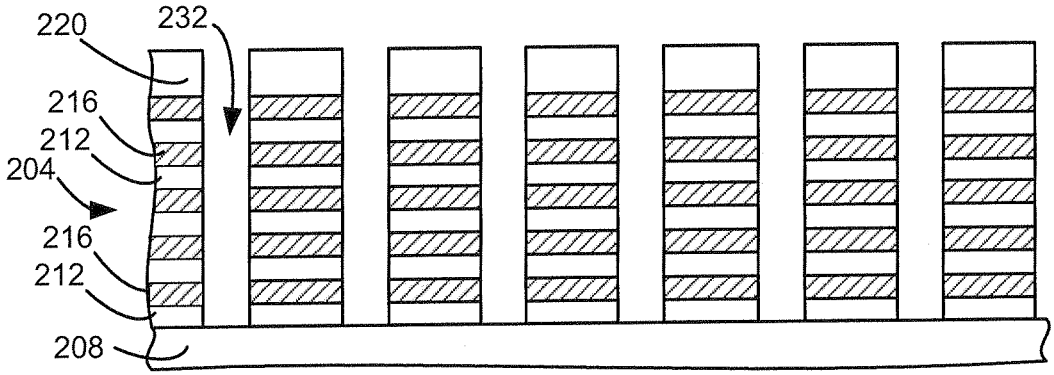


FIG. 2G

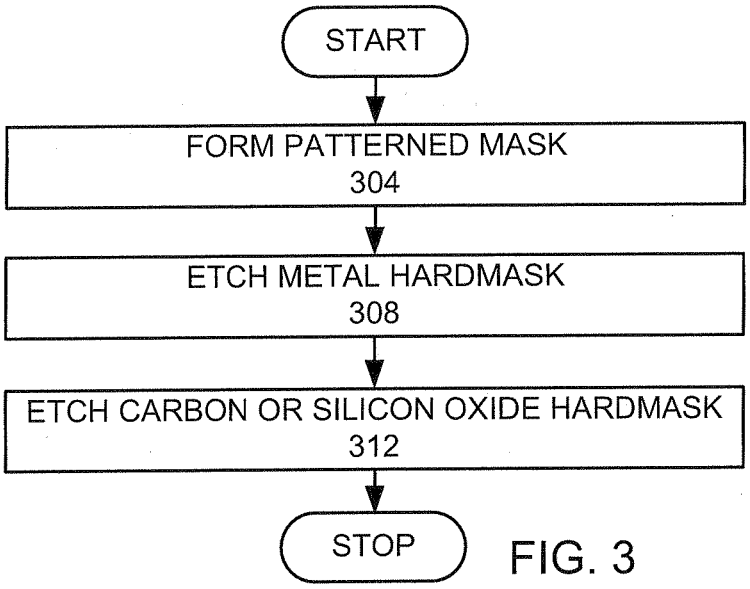

START
FORM PATTERNED MASK
304
ETCH METAL HARDMASK
308
ETCH CARBON OR SILICON OXIDE HARDMASK
312
STOP

FIG. 3

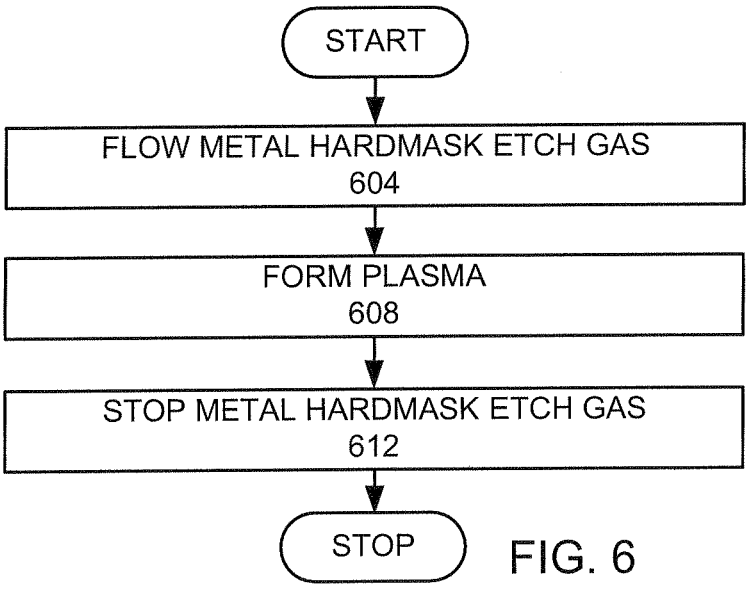

START
FLOW METAL HARDMASK ETCH GAS
604
FORM PLASMA
608
STOP METAL HARDMASK ETCH GAS
612
STOP

FIG. 6

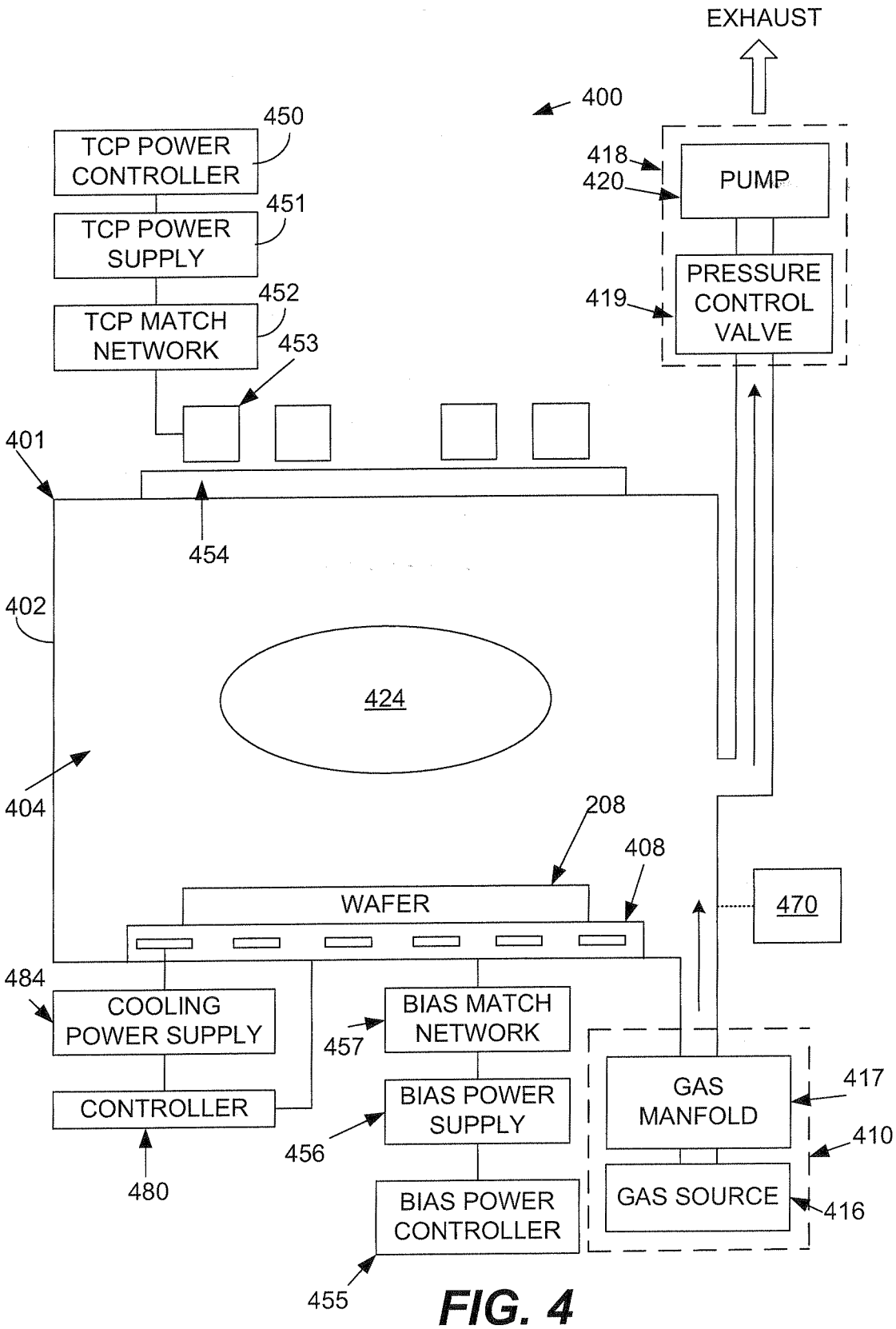

EXHAUST
400
450
TCP POWER CONTROLLER
451
TCP POWER SUPPLY
452
TCP MATCH NETWORK
453
418
420
PUMP
419
PRESSURE CONTROL VALVE
401
454
402
424
404
208
408
WAFER
470
484
COOLING POWER SUPPLY
CONTROLLER
480
457
BIAS MATCH NETWORK
BIAS POWER SUPPLY
456
BIAS POWER CONTROLLER
455
GAS MANFOLD
417
410
GAS SOURCE
416

FIG. 4

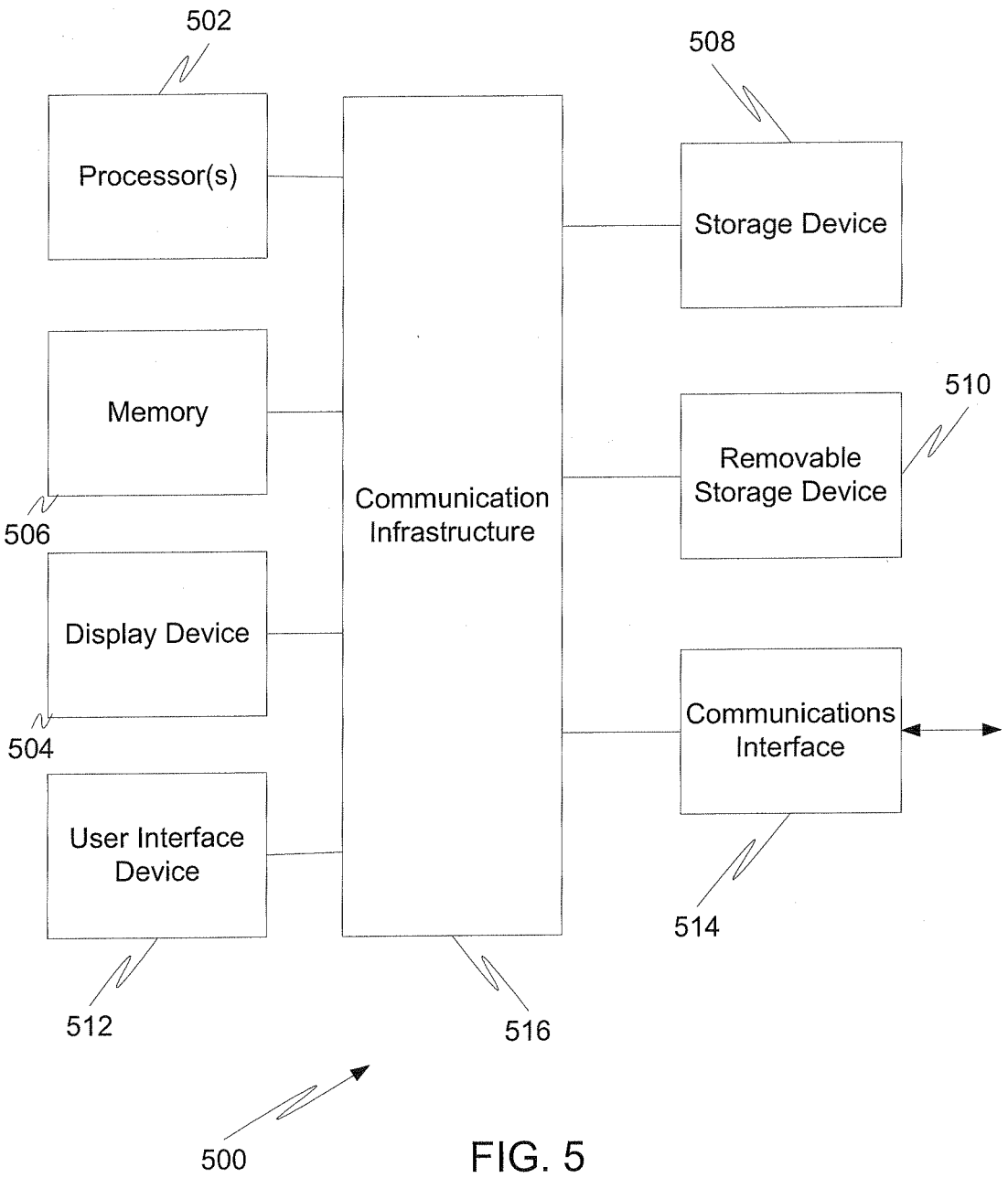

502
Processor(s)
Memory
506
Display Device
504
User Interface Device
512
Communication Infrastructure
516
508
Storage Device
510
Removable Storage Device
Communications Interface
514
500

FIG. 5

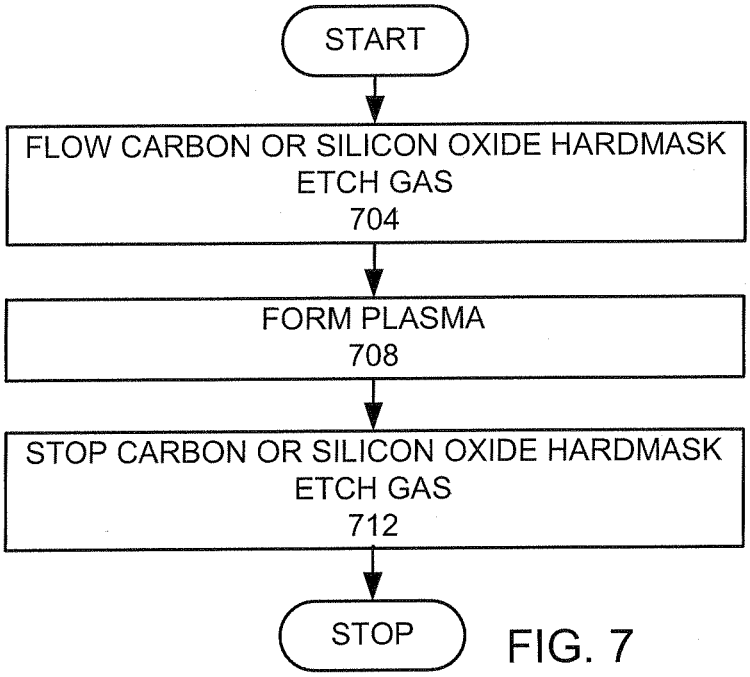

START
FLOW CARBON OR SILICON OXIDE HARDMASK ETCH GAS
704
FORM PLASMA
708
STOP CARBON OR SILICON OXIDE HARDMASK ETCH GAS
712
STOP

FIG. 7

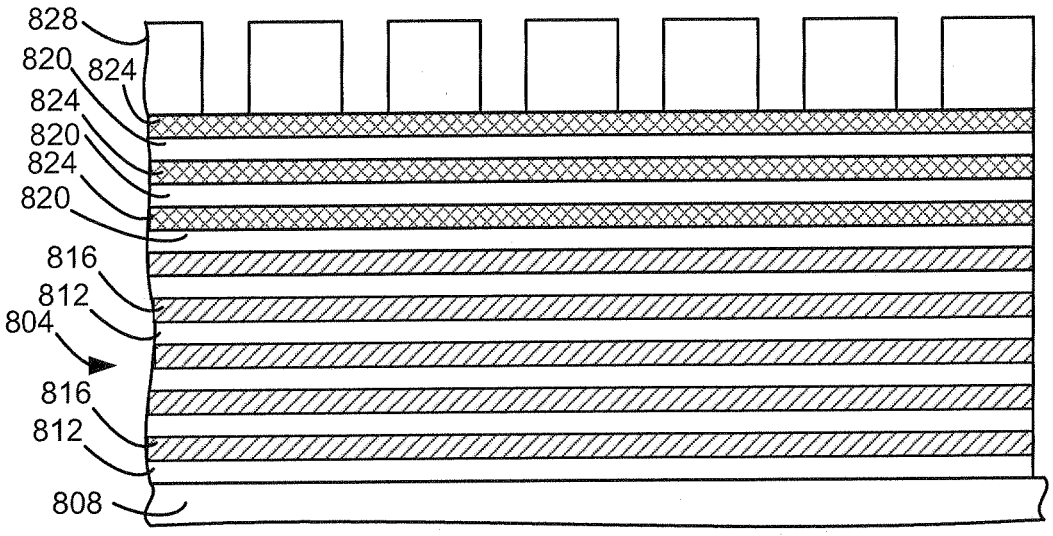


FIG. 8A

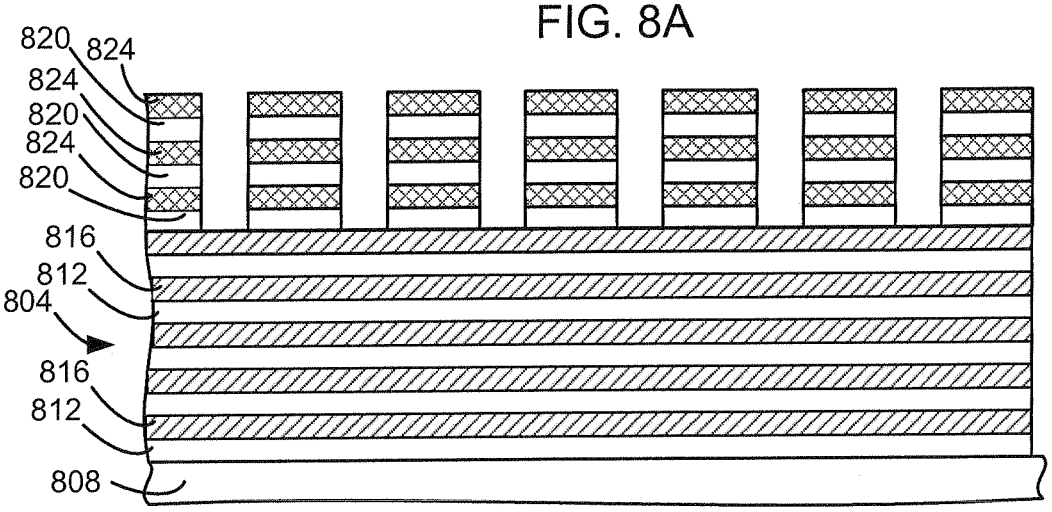


FIG. 8B

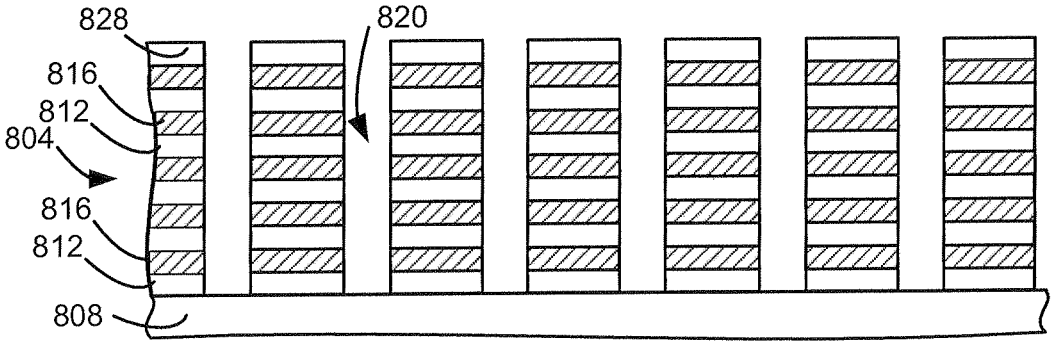


FIG. 8C