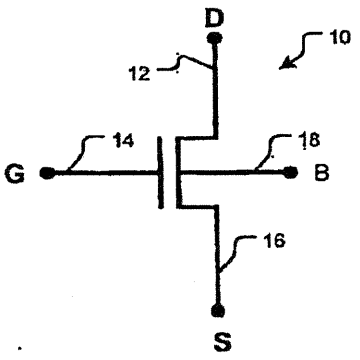


FIG. 1
Prior Art

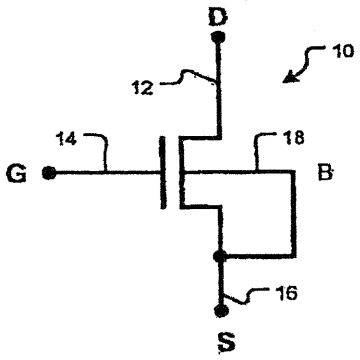


FIG. 2
Prior Art

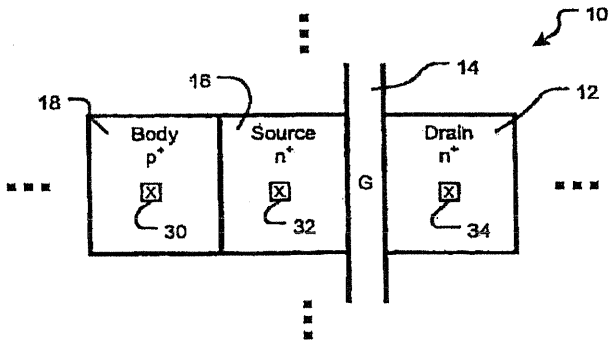


FIG. 3
Prior Art

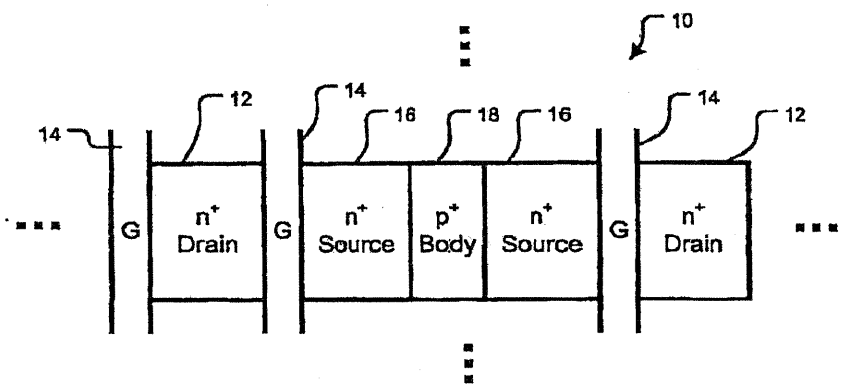


FIG. 4
Prior Art

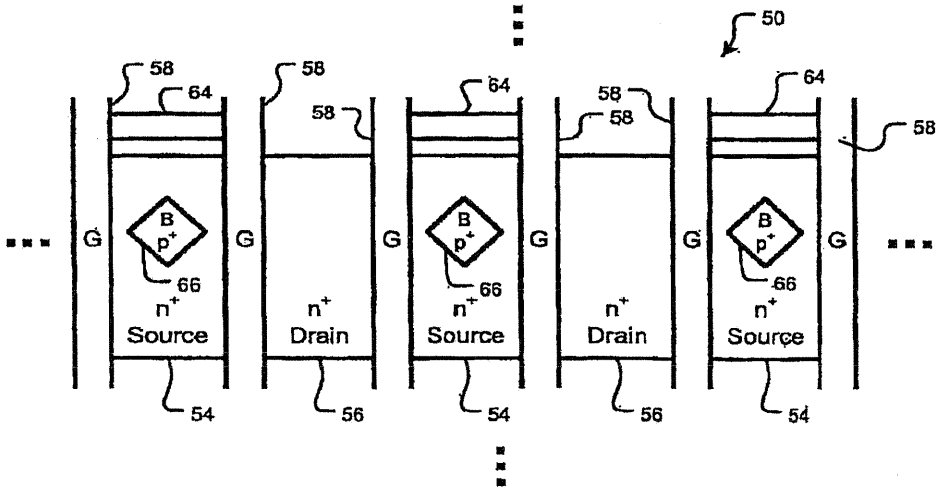


FIG. 5A

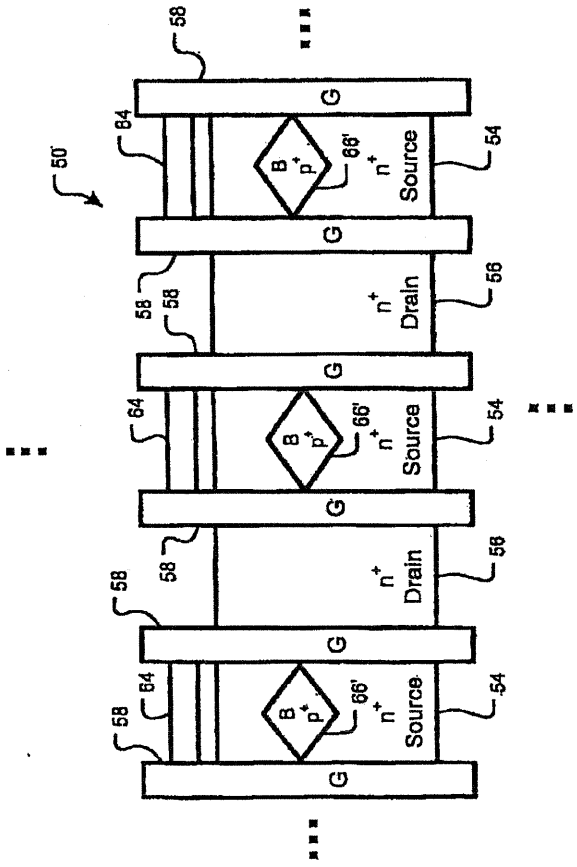


FIG. 5B

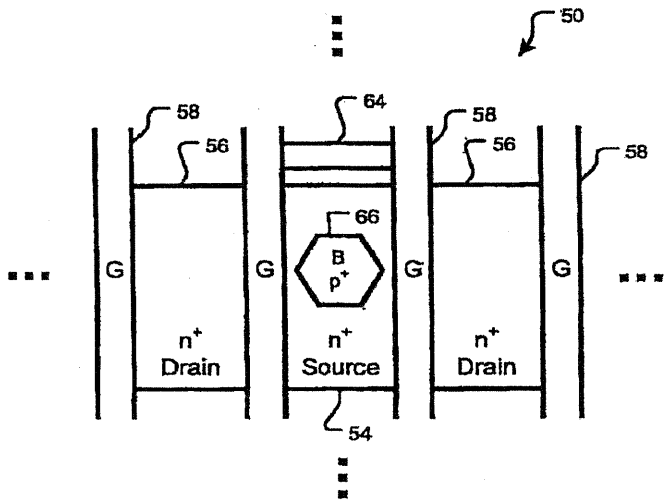

50
58
64
58
56
56
58
66
B
p+
G
G
G
G
n+
Drain
n+
Source
n+
Drain
54

FIG. 6

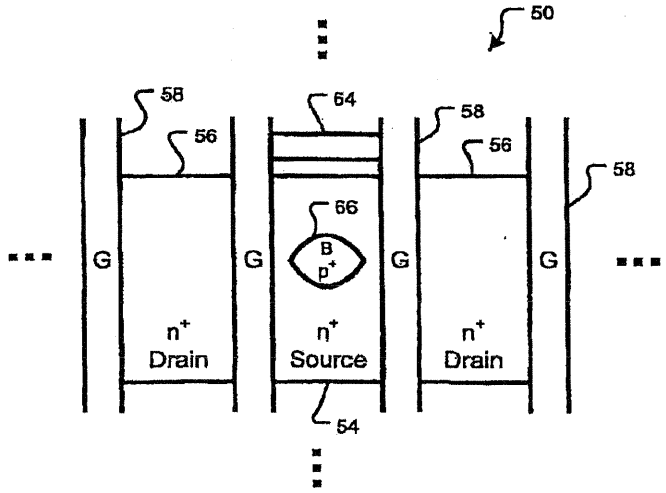

50
58
64
58
56
56
58
66
B
p+
G
G
G
G
n+
Drain
n+
Source
n+
Drain
54

FIG. 7

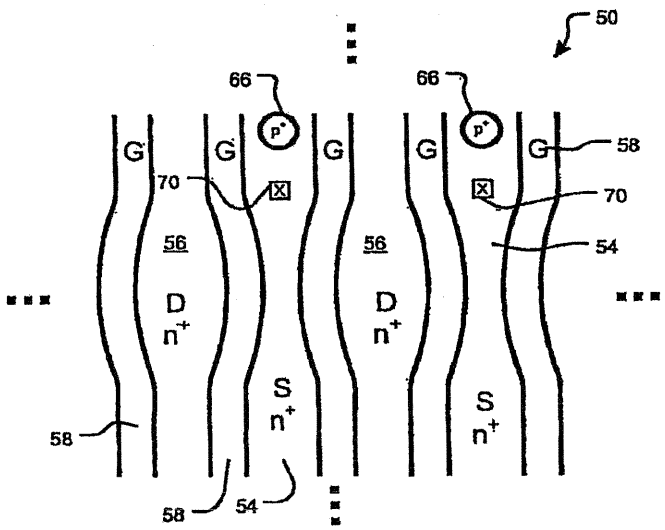

50
66
66
G
G
G
G
G
58
70
70
56
56
54
D
n+
D
n+
S
n+
S
n+
58
58
54

FIG. 8

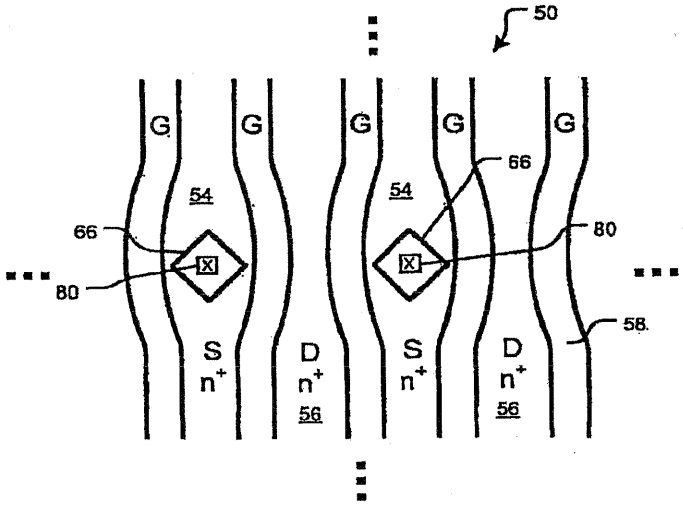

50
G
G
G
G
G
66
54
54
66
80
80
58
S
n+
D
n+
56
S
n+
D
n+
56

FIG. 9

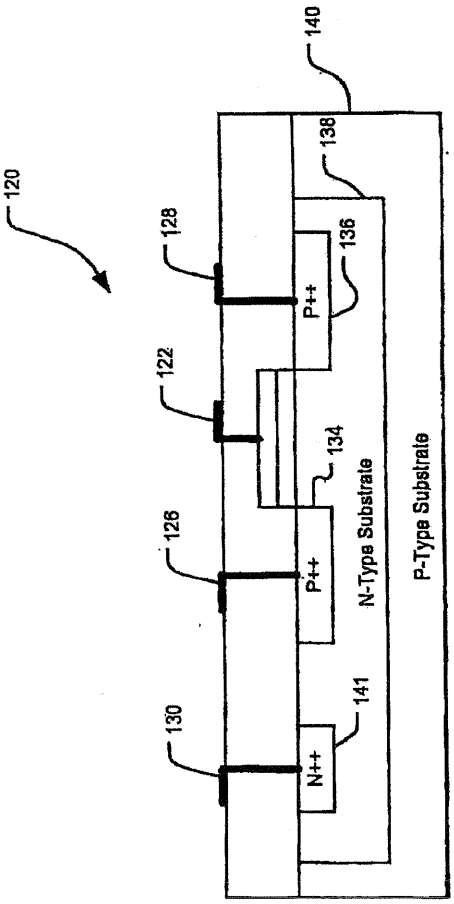


FIG. 10
Prior Art

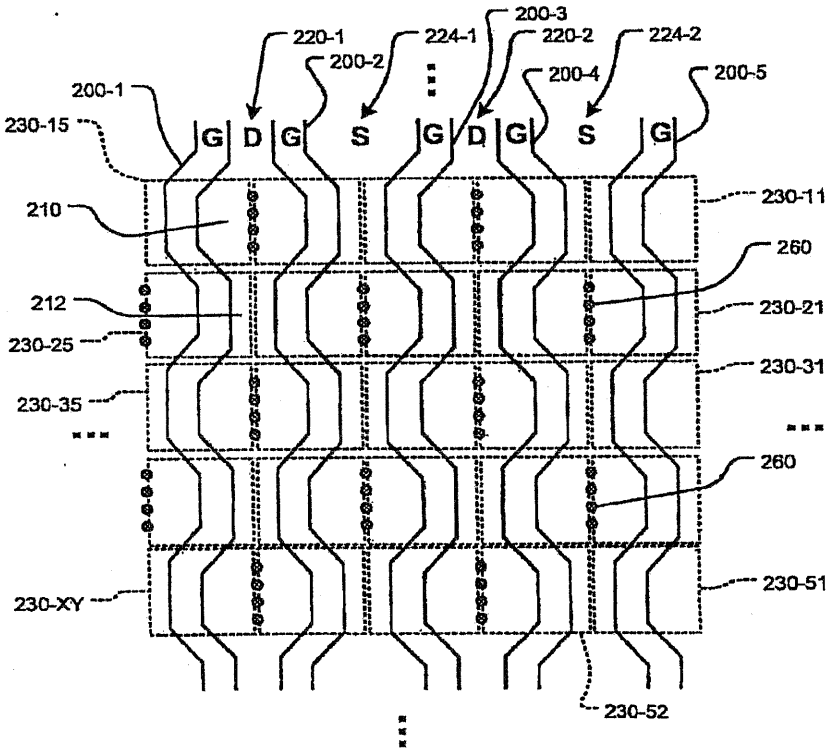

200-3
220-1
224-1
220-2
224-2
200-2
200-4
200-5
200-1
230-15
G
D
G
S
G
D
G
S
G
230-11
210
260
212
230-21
230-25
230-31
230-35
260
230-51
230-XY
230-52

FIG. 11

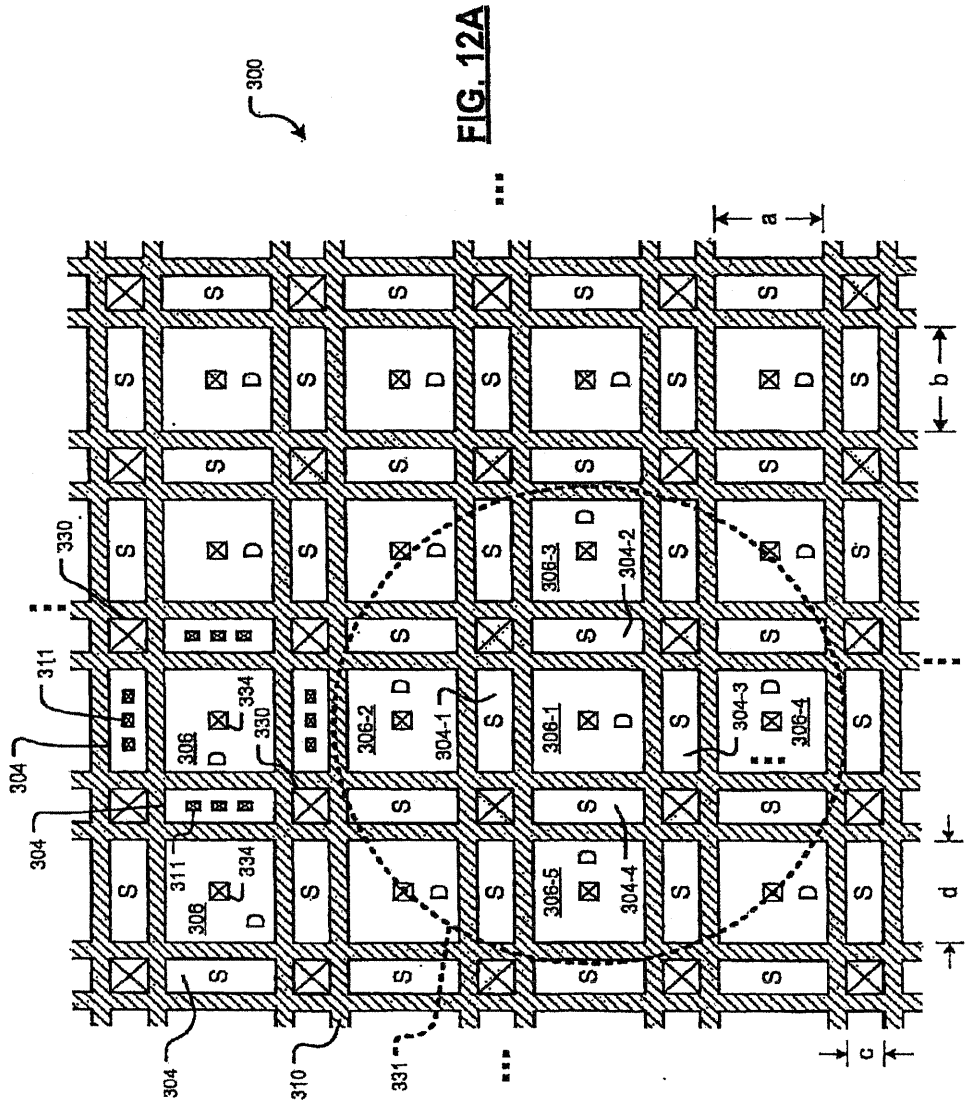

300
330
311
304
304
304
310
331
306
334
330
306-2
304-1
306-3
304-2
306-1
304-3
306-4
306-5
304-4
a
b
c
d
S
D

FIG. 12A

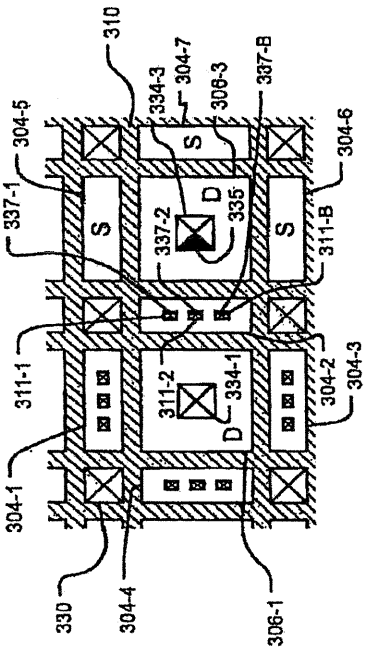

310
334-3
304-7
306-3
337-B
304-5
337-1
S
337-2
D
335
S
304-6
311-B
311-1
311-2
334-1
D
304-2
304-3
304-1
330
304-4
306-1

FIG. 12B

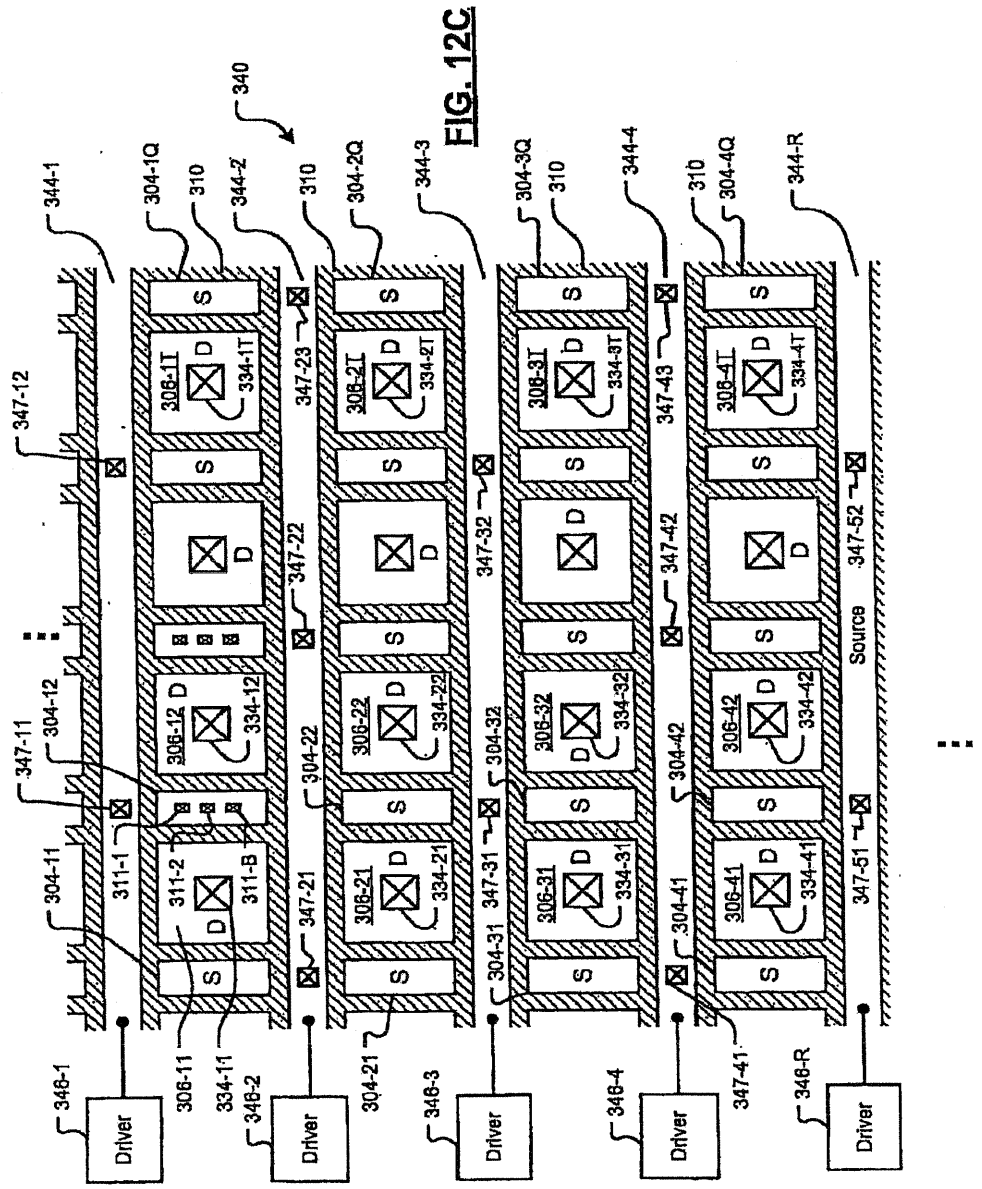

340
344-1
344-2
344-3
344-4
344-R
304-1Q
304-2Q
304-3Q
304-4Q
310
347-12
347-23
347-43
347-52
347-22
347-32
347-42
347-11
304-12
304-22
304-32
304-42
311-1
311-2
311-B
306-11
334-11
306-12
334-12
306-21
334-21
306-22
334-22
306-31
334-31
306-32
334-32
306-41
334-41
306-42
334-42
306-1T
334-1T
306-2T
334-2T
306-3T
334-3T
306-4T
334-4T
304-11
304-21
304-31
304-41
347-21
347-31
347-41
347-51
346-1
346-2
346-3
346-4
346-R
Driver
Source
S
D

FIG. 12C

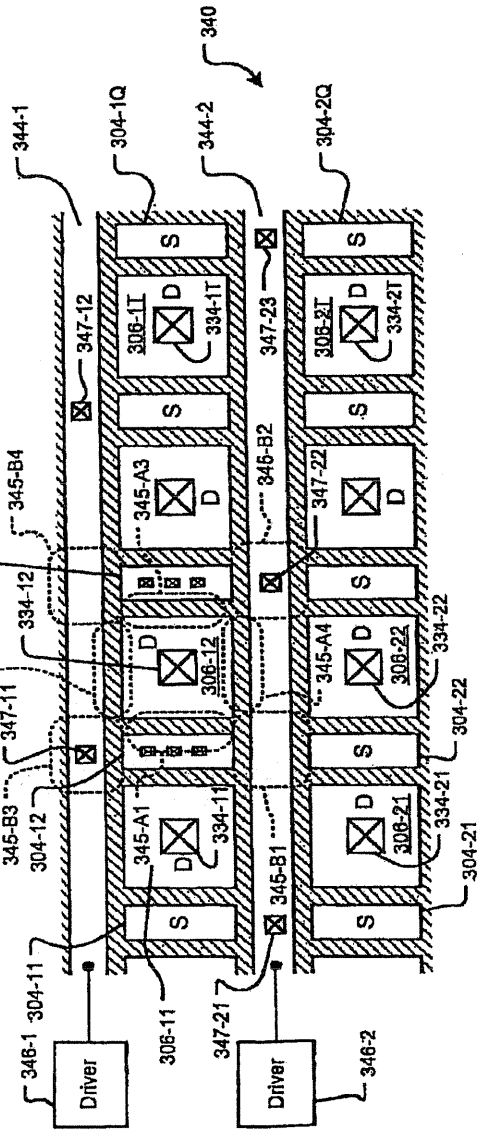

340
344-1
304-1Q
344-2
304-2Q
347-12
347-23
345-B4
334-13
345-A2
334-12
347-11
345-B3
304-12
345-A1
334-11
306-11
347-21
345-B1
345-A3
345-B2
347-22
345-A4
306-12
306-22
334-22
304-22
306-21
334-21
304-21
306-1T
334-1T
306-2T
334-2T
304-11
346-1
Driver
346-2
Driver
S
D

FIG. 12D

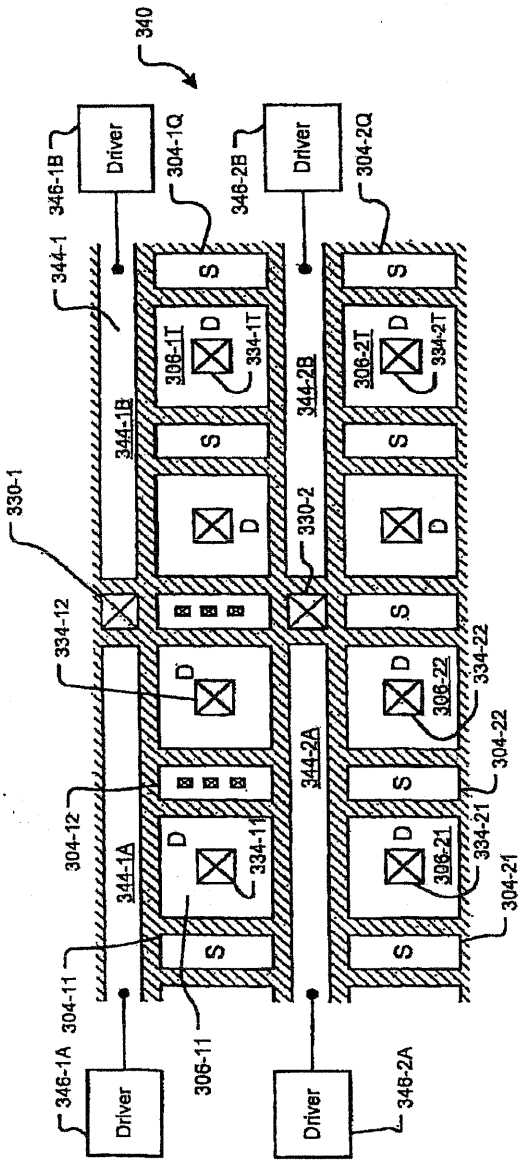

340
Driver
346-1B
304-1Q
348-2B
304-2Q
344-1
344-1B
344-2B
306-1T
334-1T
306-2T
334-2T
330-1
330-2
334-12
304-12
344-1A
344-2A
334-11
306-11
334-22
306-22
304-22
334-21
306-21
304-21
304-11
346-1A
348-2A
S
D

FIG. 12E



FIG. 12H



FIG. 12F

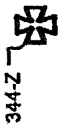


FIG. 12I

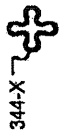


FIG. 12G

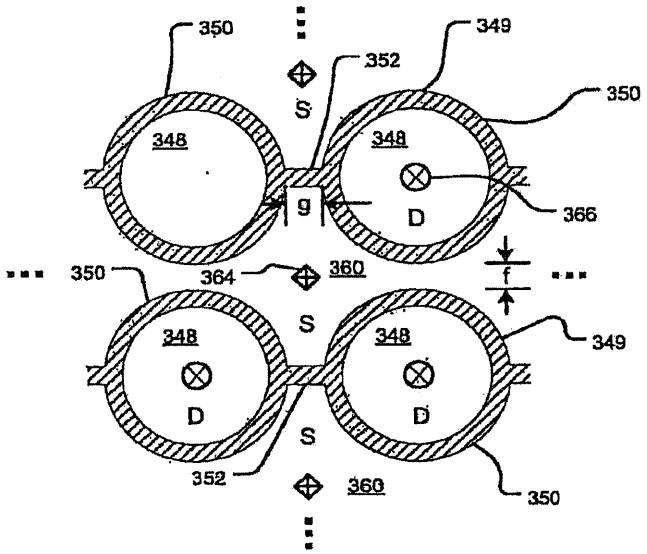

350
352
349
350
S
348
348
g
D
366
350
364
360
f
S
348
348
349
D
D
S
352
360
350

FIG. 13

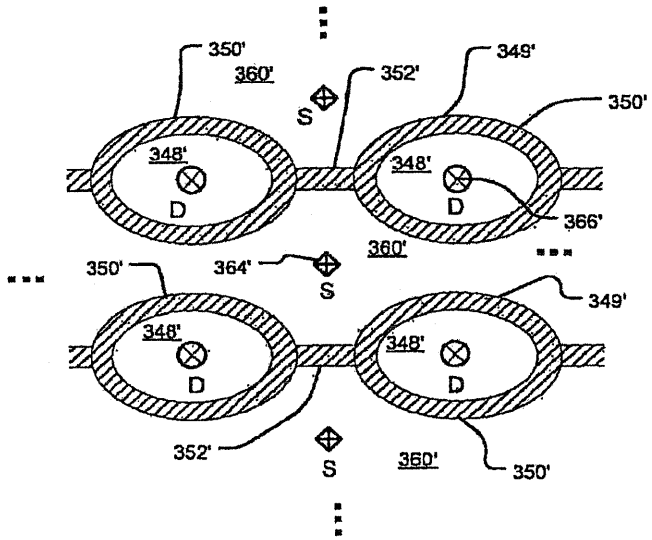

350'
360'
352'
349'
350'
S
348'
348'
D
D
366'
360'
350'
364'
S
349'
348'
348'
D
D
352'
S
360'
350'

FIG. 14

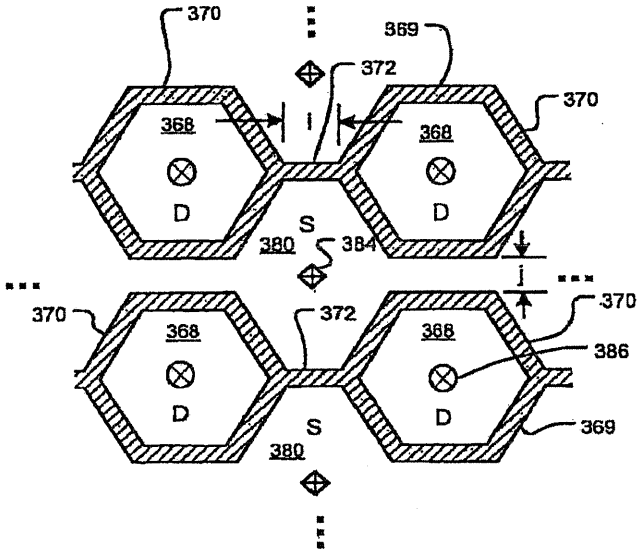

370
369
372
370
368
i
368
D
D
S
380
384
j
370
370
372
368
368
386
D
D
S
369
380

FIG. 15

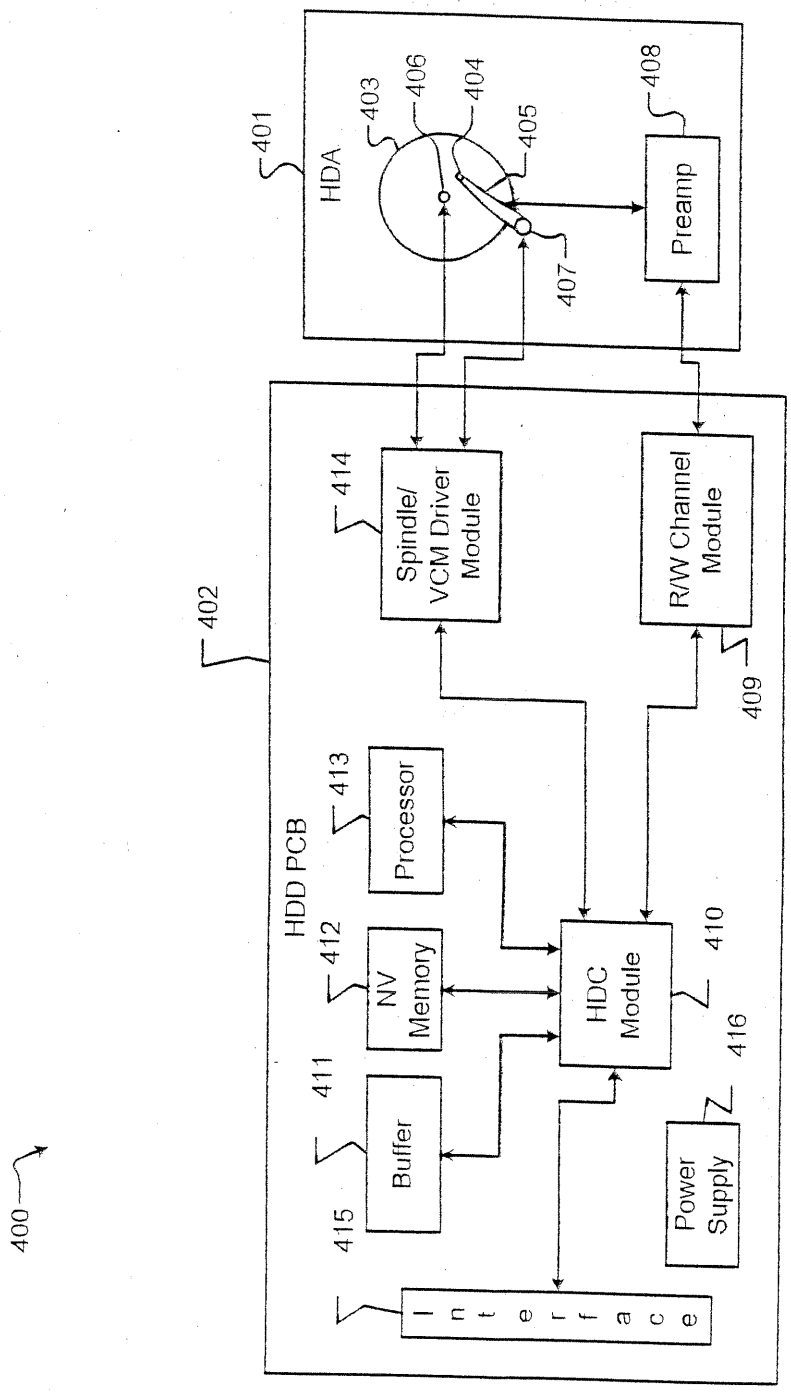

400
401
HDA
403
406
404
405
407
408
Preamp
402
HDD PCB
414
Spindle/
VCM Driver
Module
R/W Channel
Module
409
413
Processor
412
NV
Memory
410
HDC
Module
411
Buffer
415
416
Power
Supply
Interface

FIG. 16A

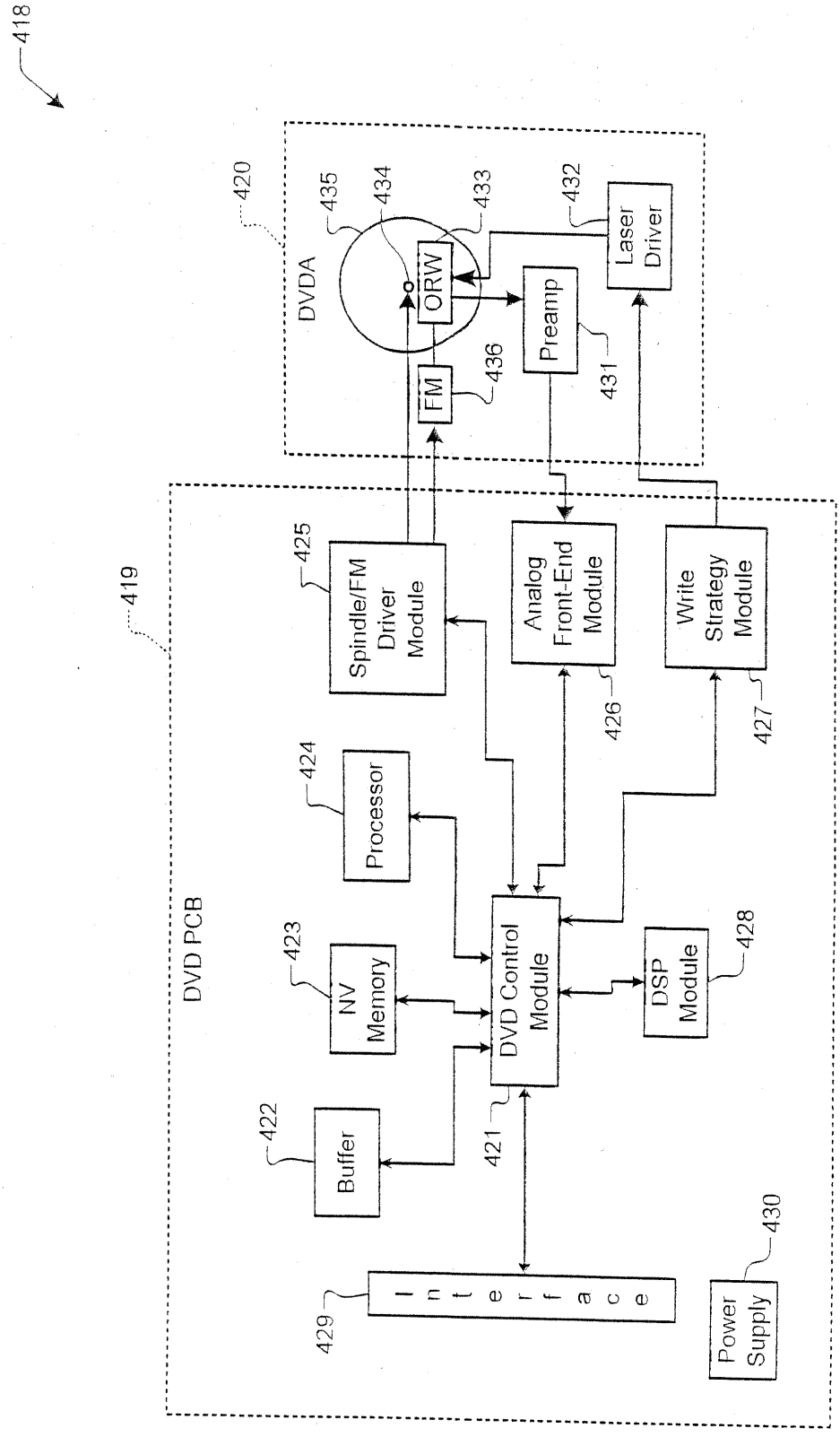

418
420
DVDA
435
434
433
432
ORW
Laser Driver
Preamp
FM
436
431
419
DVD PCB
425
Spindle/FM Driver Module
Analog Front-End Module
Write Strategy Module
426
427
424
Processor
423
NV Memory
DVD Control Module
DSP Module
428
422
Buffer
421
429
Interface
Power Supply
430

FIG. 16B

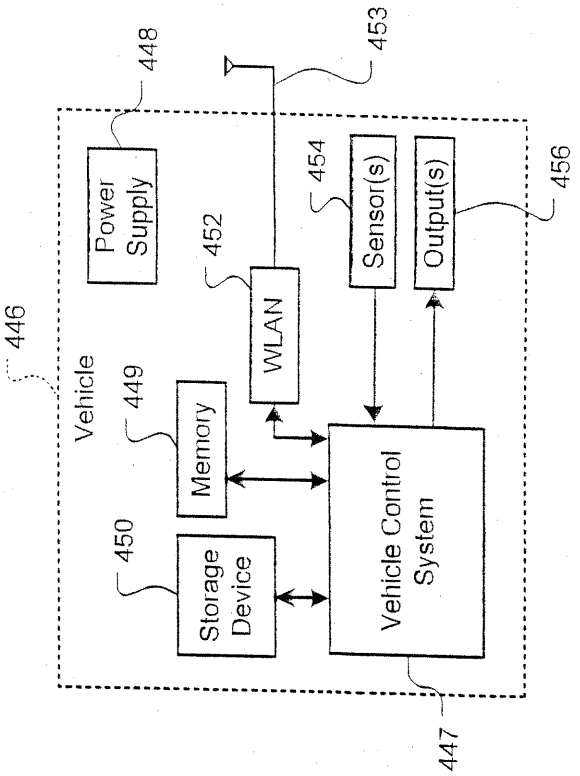


FIG. 16D

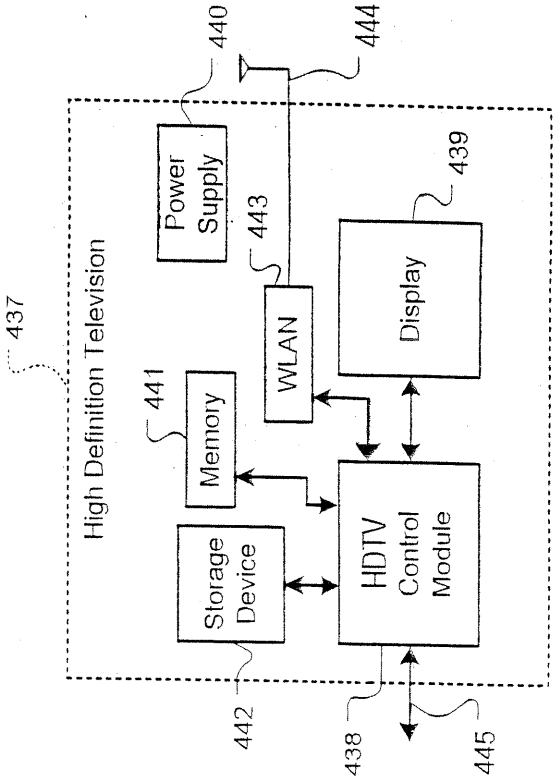


FIG. 16C

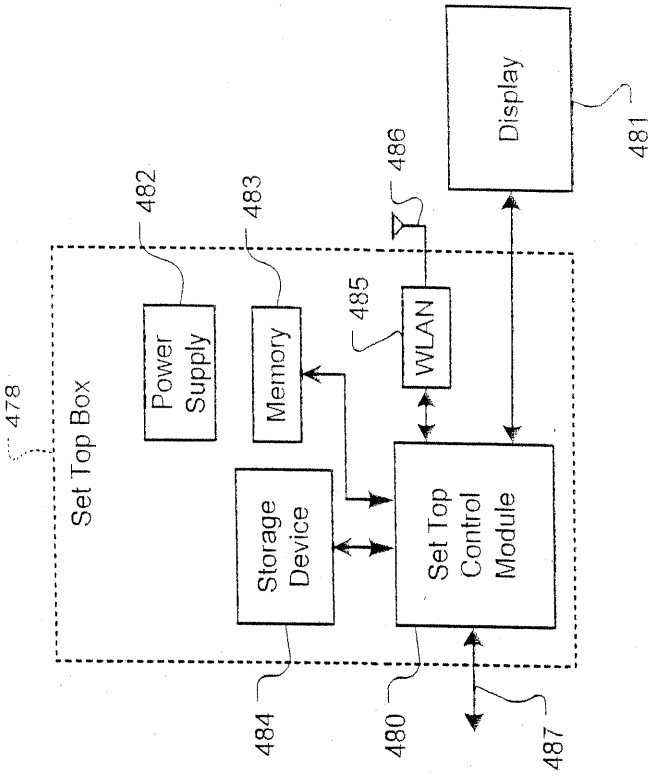


FIG. 16F

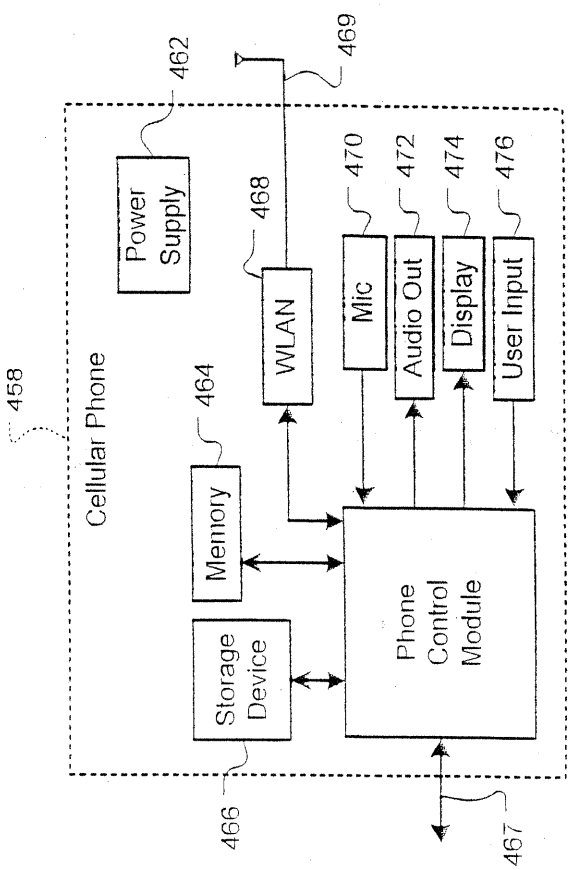


FIG. 16E

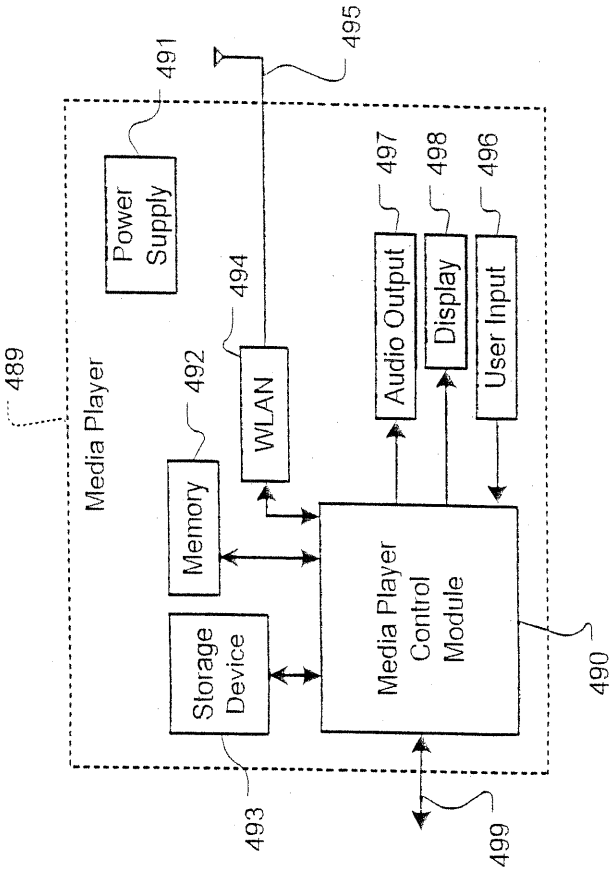

489
Media Player
491
Power Supply
492
Memory
493
Storage Device
494
WLAN
495
496
User Input
497
Audio Output
498
Display
499
Media Player Control Module
490

FIG. 16G