

FIG. 1
Prior Art

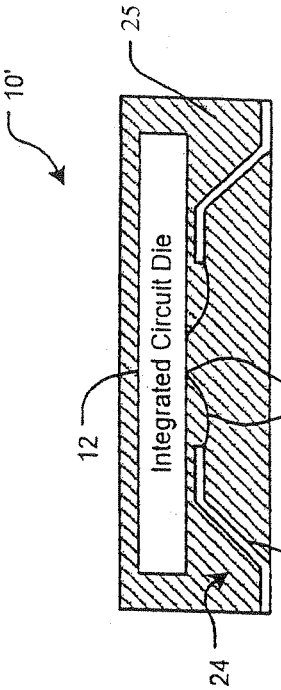


FIG. 2
Prior Art

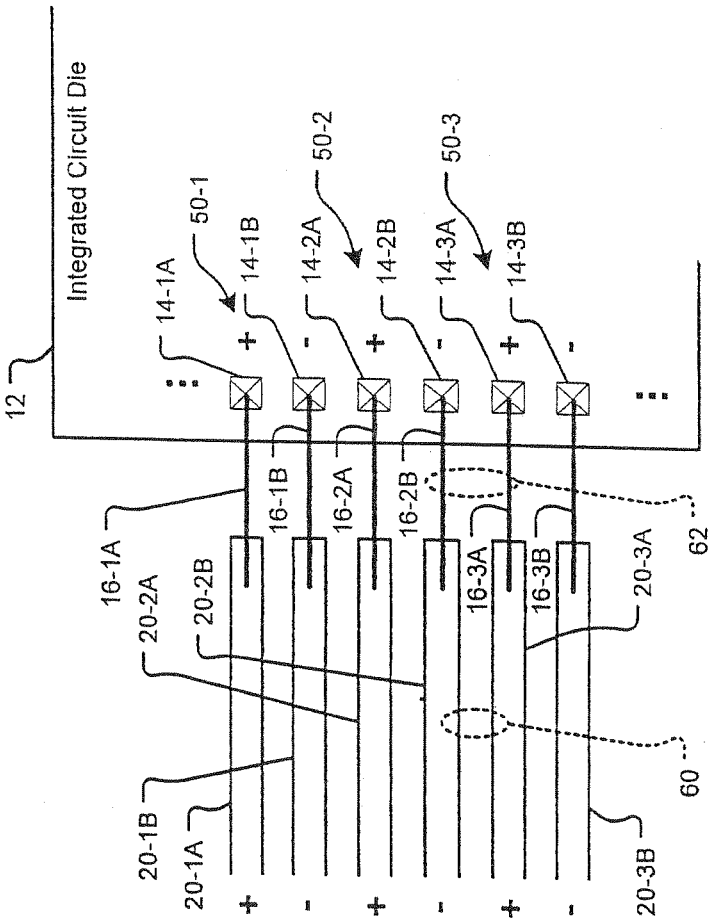


FIG. 3
Prior Art

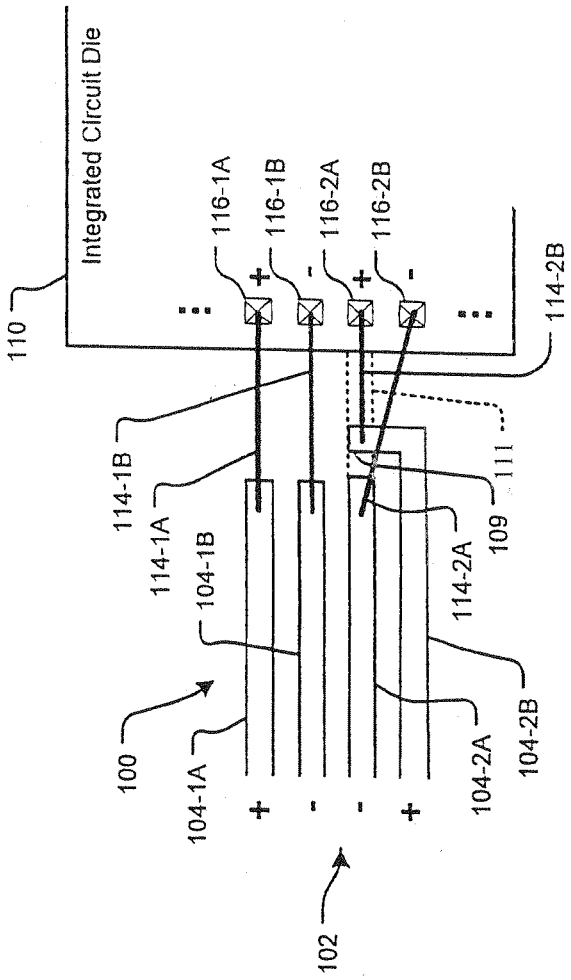

Integrated Circuit Die
110
116-1A
116-1B
116-2A
116-2B
114-2B
114-1B
114-1A
104-1B
100
104-1A
102
109
111
114-2A
104-2B
104-2A

FIG. 4

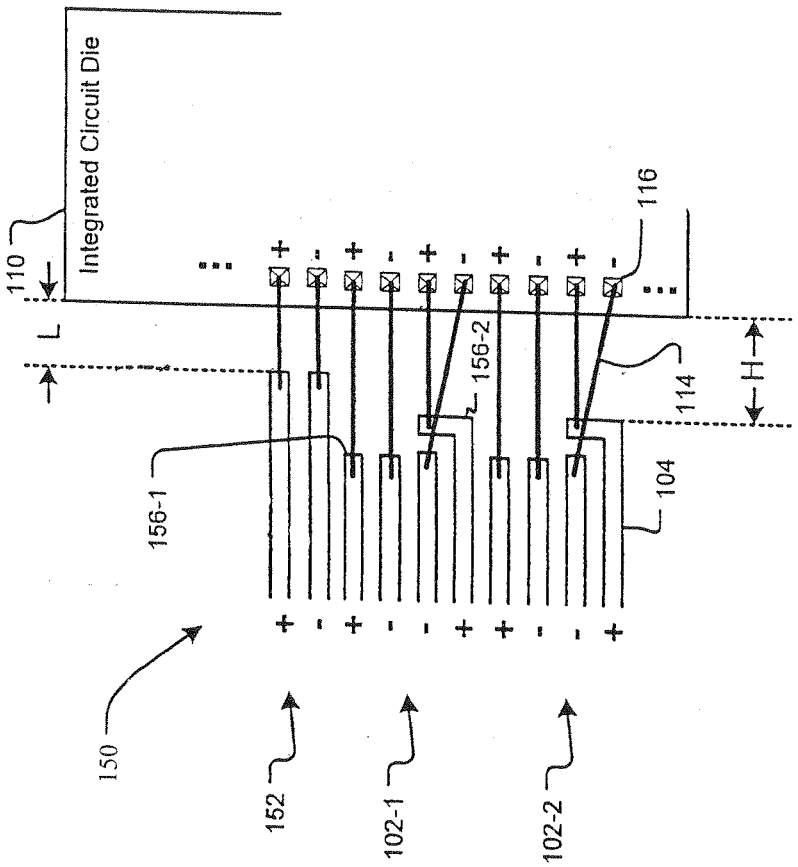

Integrated Circuit Die
110
L
116
156-2
114
H
156-1
104
150
152
102-1
102-2

FIG. 5

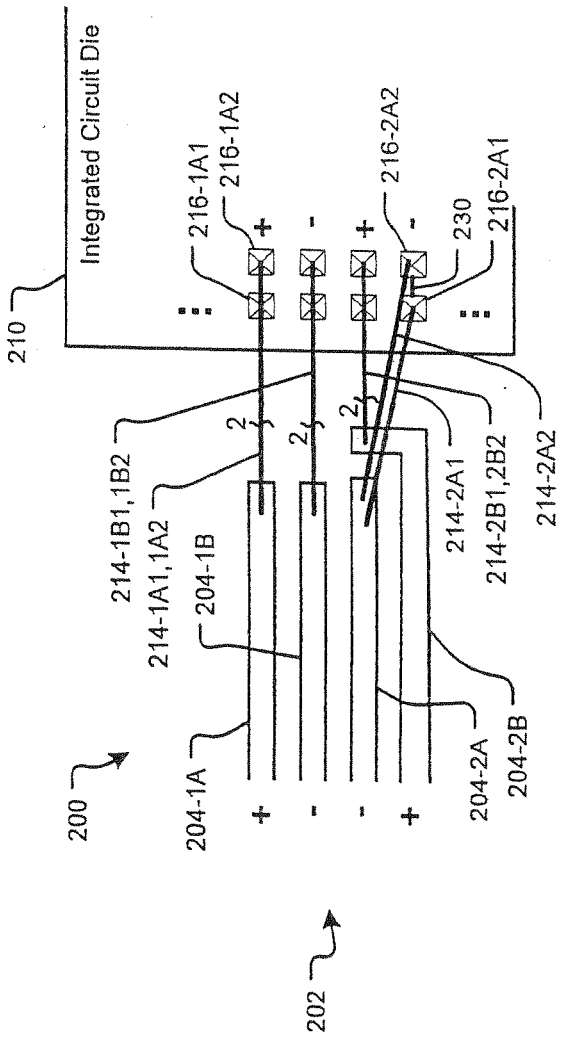

Integrated Circuit Die
210
216-1A1
216-1A2
216-2A2
230
216-2A1
214-1B1,1B2
214-1A1,1A2
204-1B
204-1A
214-2A1
214-2B1,2B2
214-2A2
204-2A
204-2B
200
202
+
-
-
+

FIG. 6A

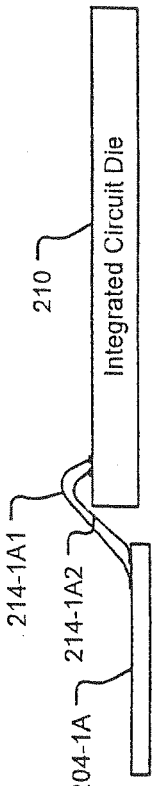

210
Integrated Circuit Die
214-1A1
214-1A2
204-1A

FIG. 6B

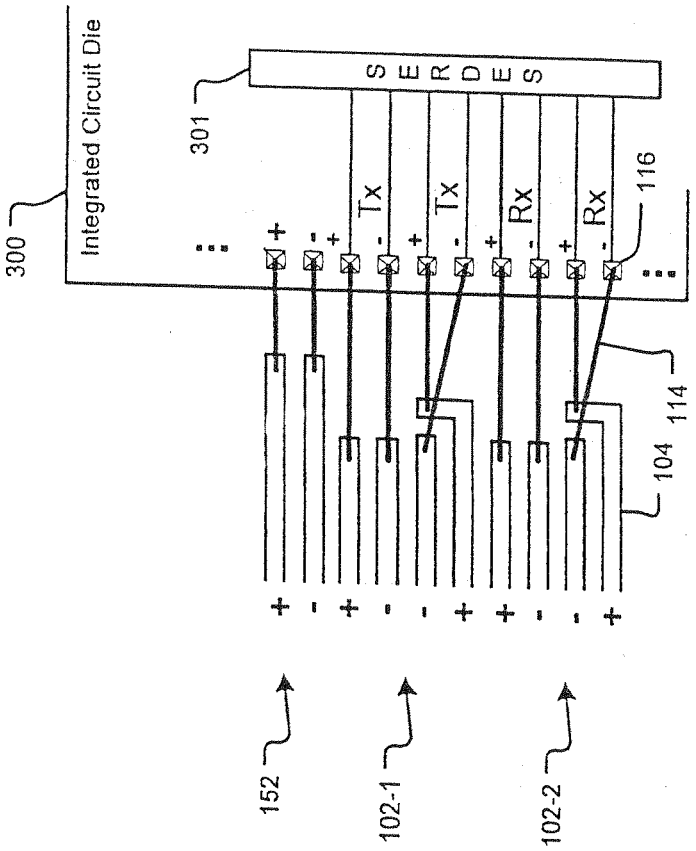

300
Integrated Circuit Die
301
SERDES
Tx
Tx
Rx
Rx
116
114
104
152
102-1
102-2

FIG. 7

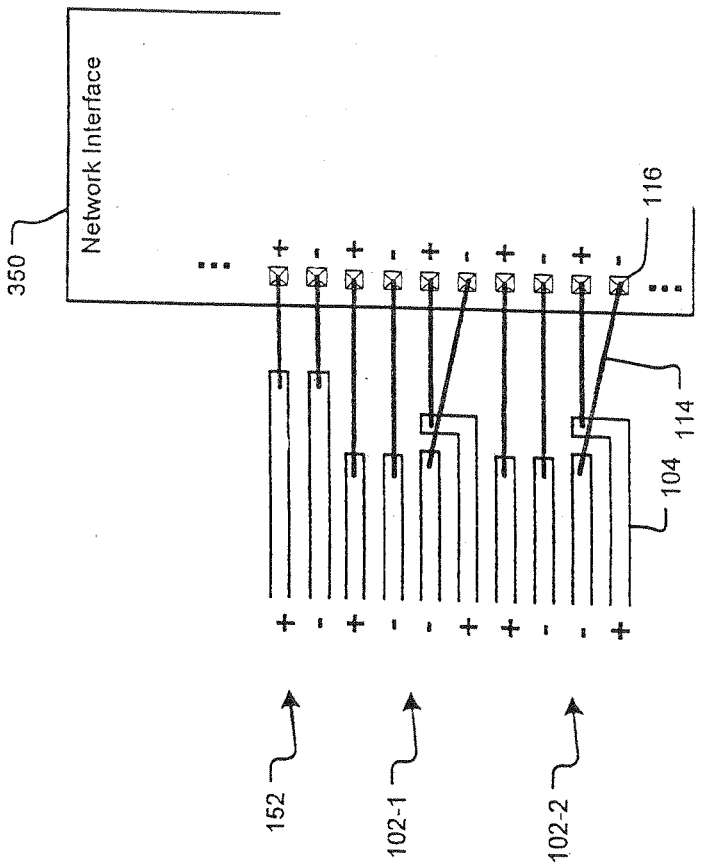


FIG. 8

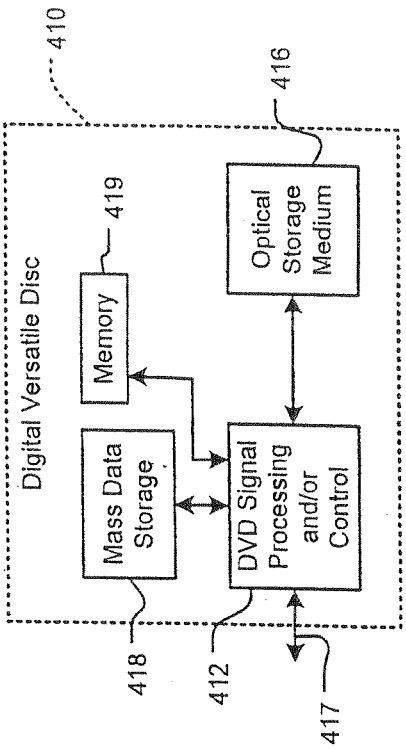

410
Digital Versatile Disc
416
Optical Storage Medium
419
Memory
Mass Data Storage
DVD Signal Processing and/or Control
418
412
417

FIG. 9B

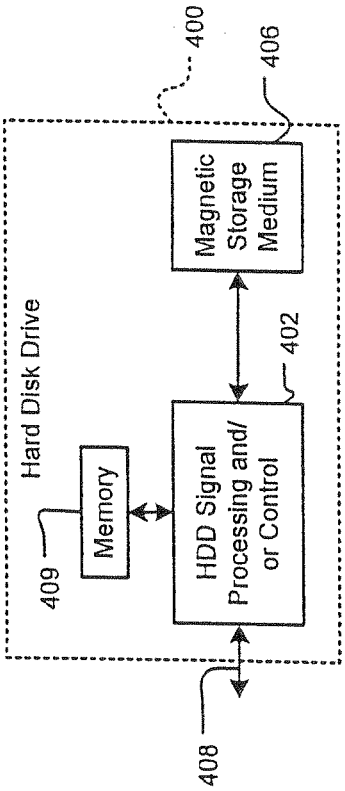

400
406
Magnetic Storage Medium
Hard Disk Drive
402
409
Memory
HDD Signal Processing and/ or Control
408

FIG. 9A

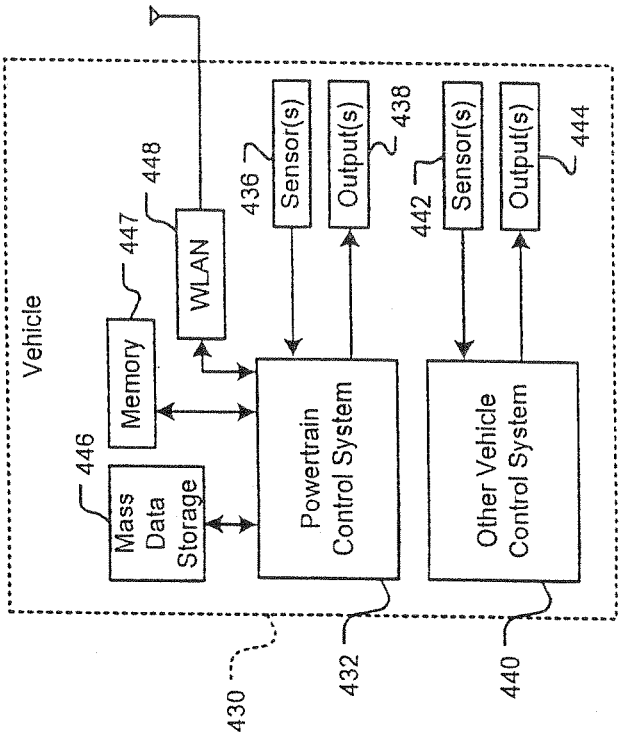

Vehicle
Mass Data Storage
Memory
WLAN
Powertrain Control System
Other Vehicle Control System
Sensor(s)
Output(s)
Sensor(s)
Output(s)
446
447
448
436
438
442
444
430
432
440

FIG. 9D

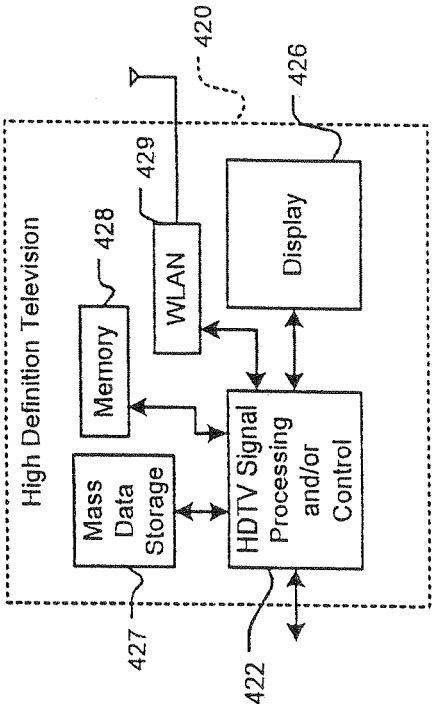

High Definition Television
Mass Data Storage
Memory
WLAN
HDTV Signal Processing and/or Control
Display
420
426
428
429
427
422

FIG. 9C

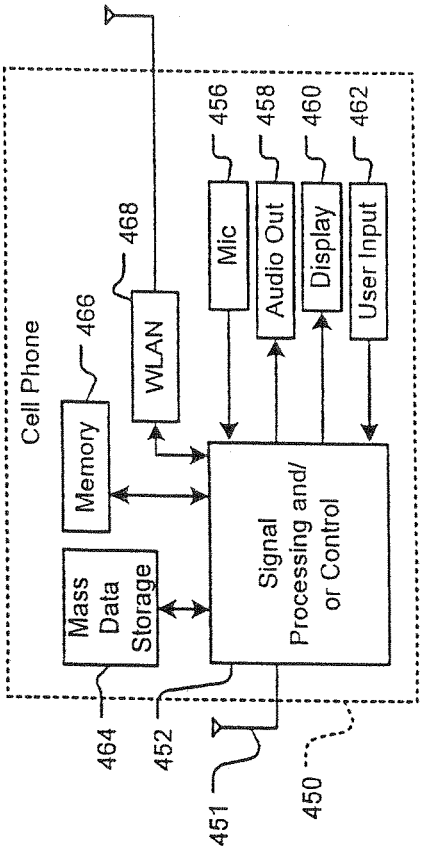

Cell Phone
Mass Data Storage
Memory
WLAN
Signal Processing and/ or Control
Mic
Audio Out
Display
User Input
464
466
468
452
451
450
456
458
460
462

FIG. 9E

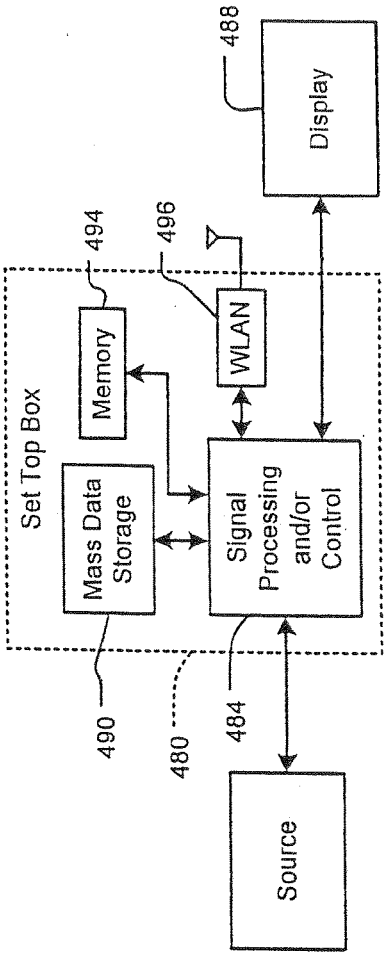

Set Top Box
Mass Data Storage
Memory
WLAN
Signal Processing and/or Control
Display
Source
490
480
484
494
496
488

FIG. 9F

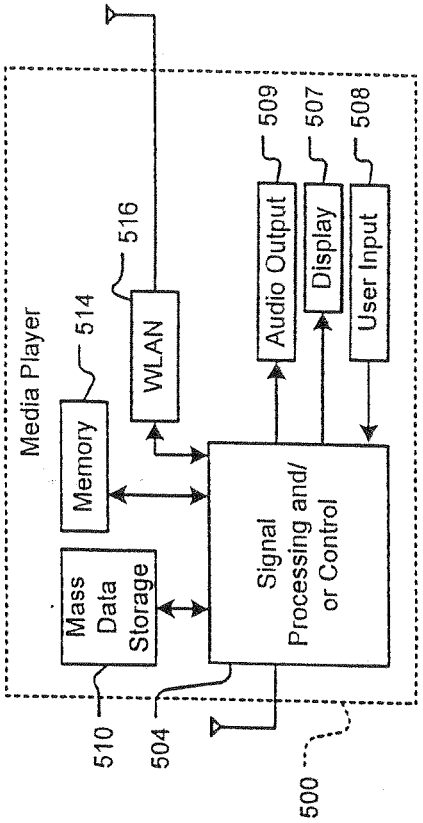

Media Player
Memory
514
Mass Data Storage
WLAN
516
Signal Processing and/or Control
Audio Output
509
Display
507
User Input
508
510
504
500

FIG. 9G

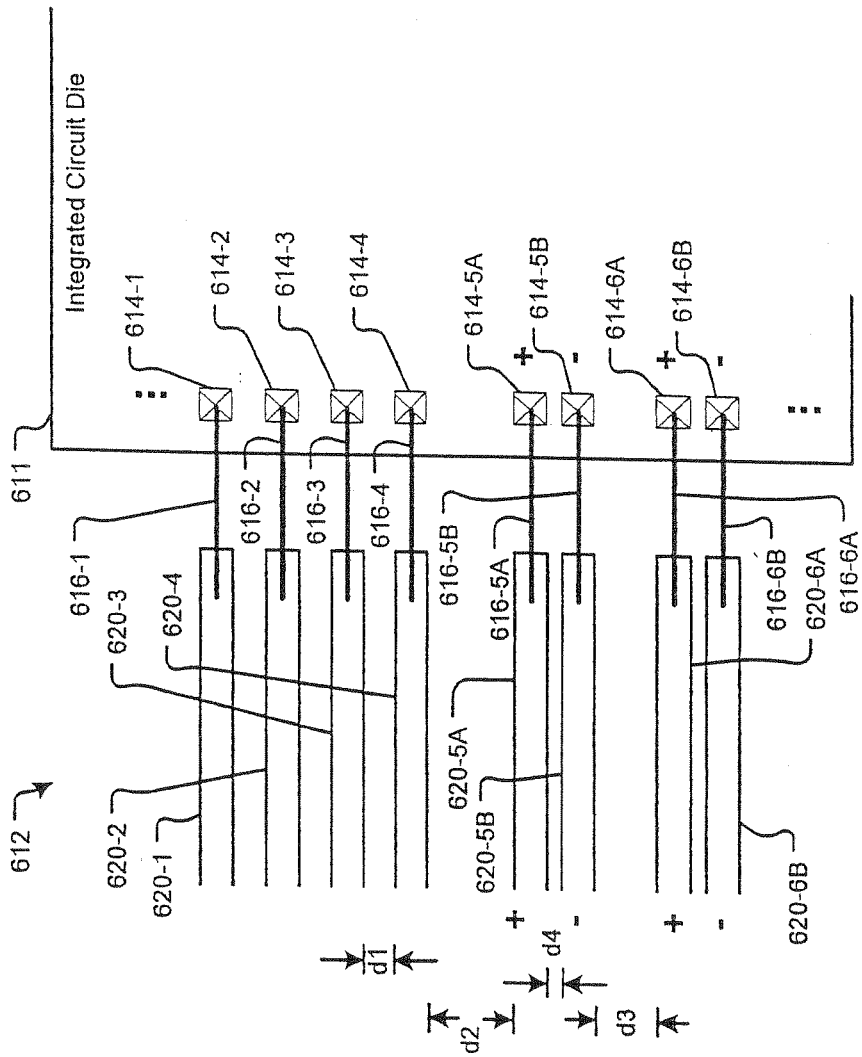

612
611
Integrated Circuit Die
614-1
614-2
614-3
614-4
614-5A
614-5B
614-6A
614-6B
616-1
616-2
616-3
616-4
616-5B
616-5A
616-6B
616-6A
620-1
620-2
620-3
620-4
620-5A
620-5B
620-6A
620-6B
d1
d2
d3
d4
+
-

FIG. 10A

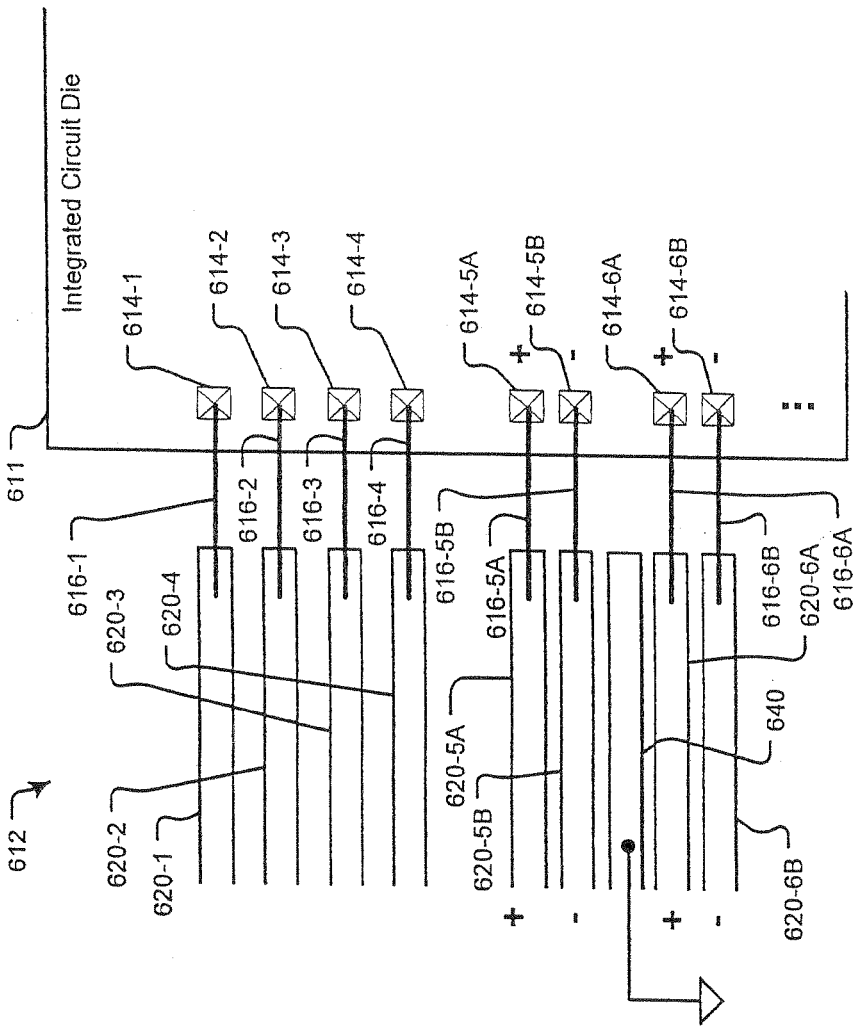

Integrated Circuit Die
611
612
614-1
614-2
614-3
614-4
614-5A
614-5B
614-6A
614-6B
616-1
616-2
616-3
616-4
616-5B
616-5A
616-6B
616-6A
620-4
620-3
620-2
620-1
620-5A
620-5B
620-6A
620-6B
640
+
-
+
-
+
-

FIG. 10B

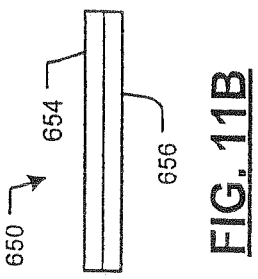


FIG. 11B

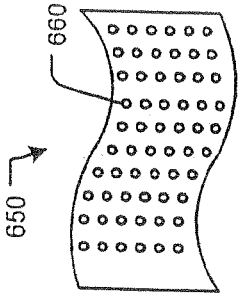


FIG. 11C

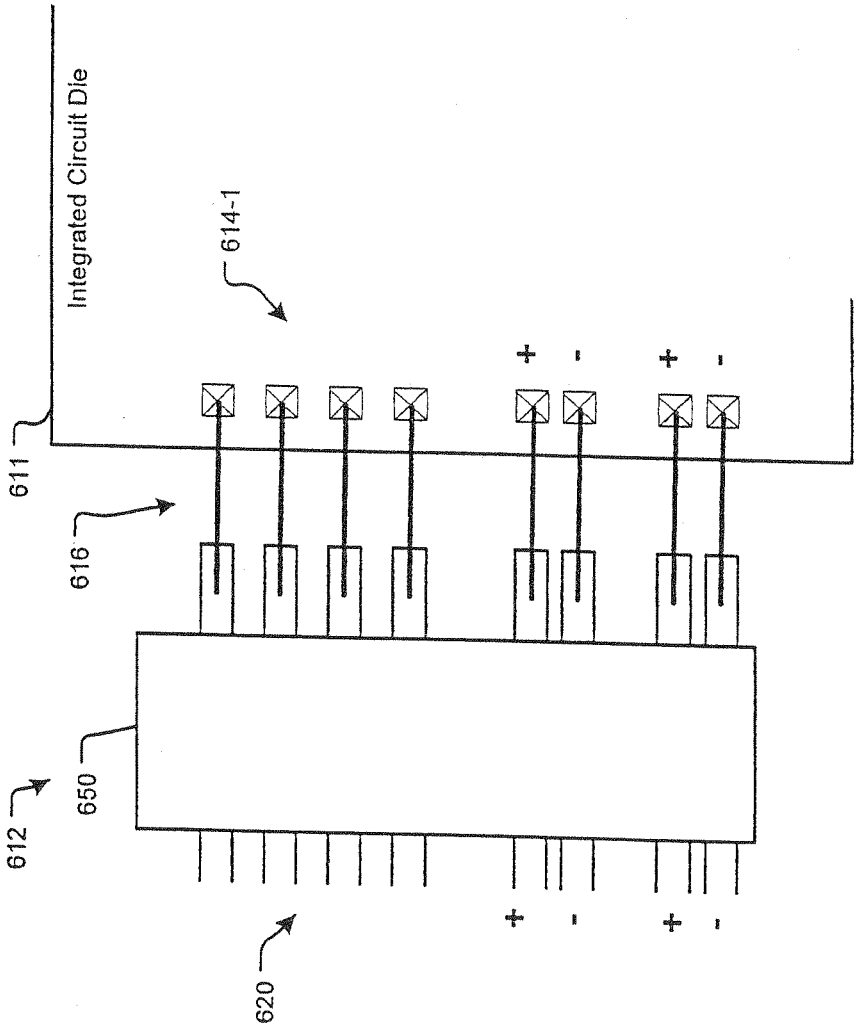


FIG. 11A

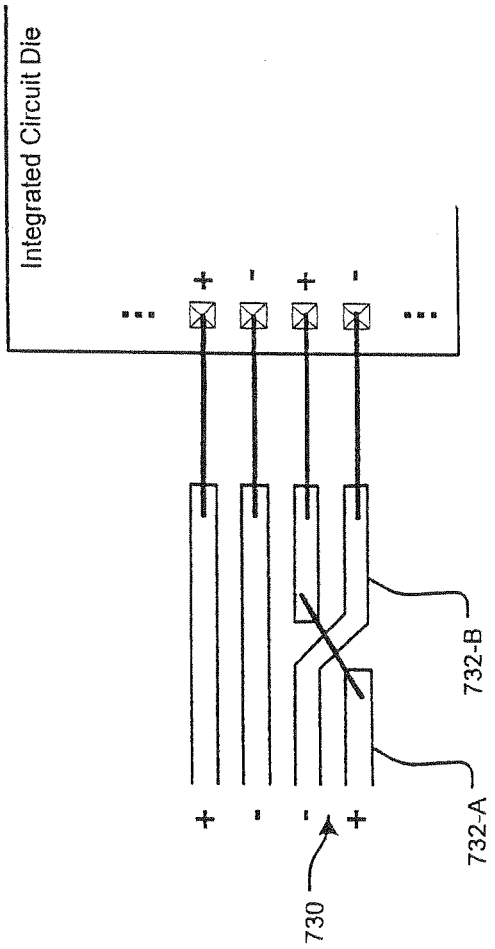


FIG. 12A

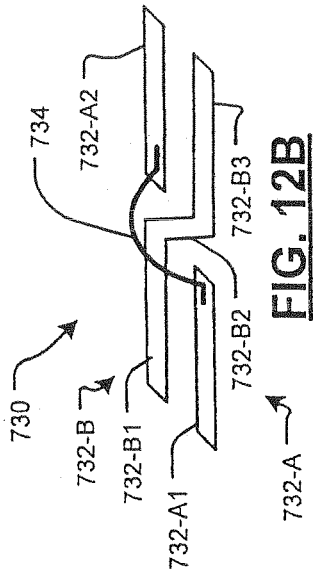


FIG. 12B

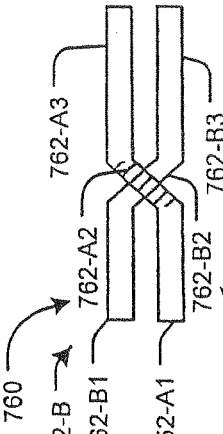


FIG. 12D

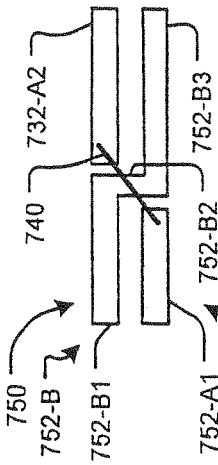


FIG. 12C

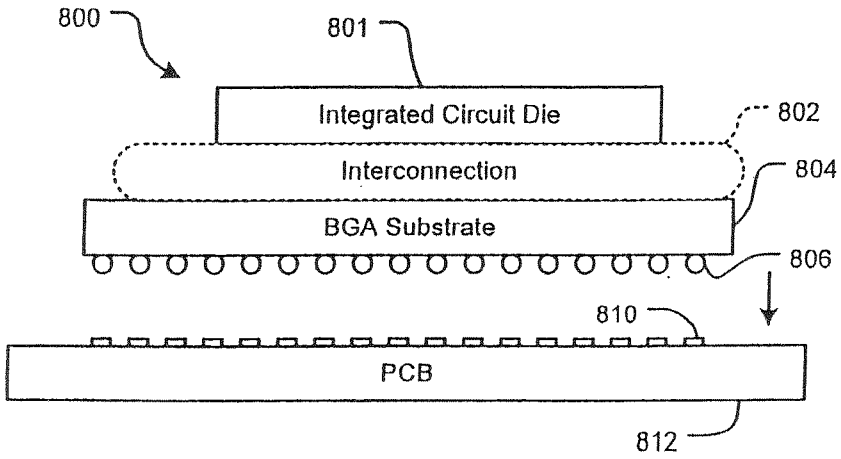


FIG. 13A

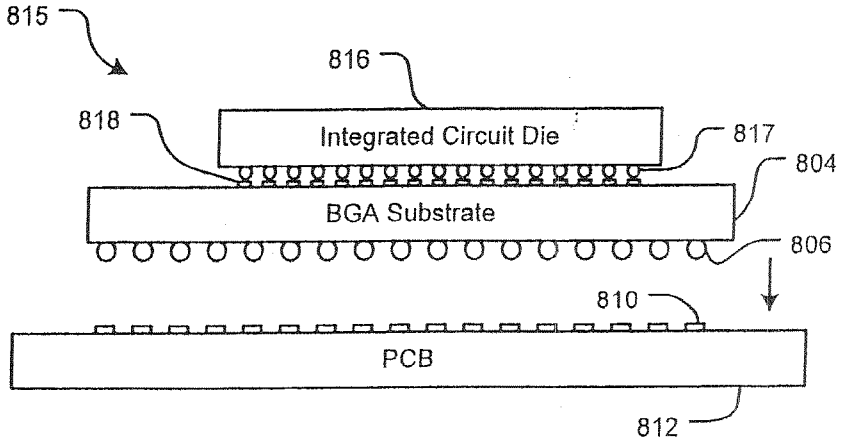


FIG. 13B

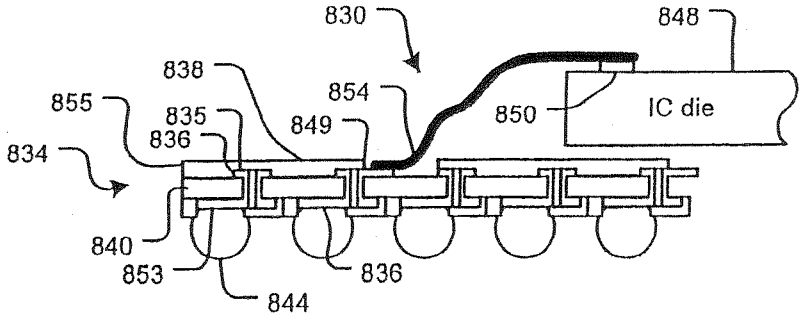


FIG. 13C

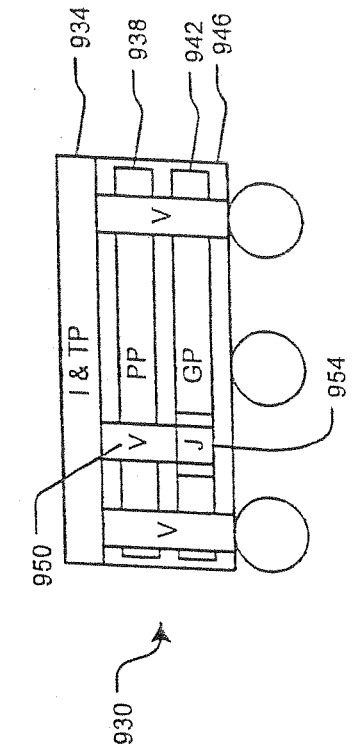


FIG. 15A

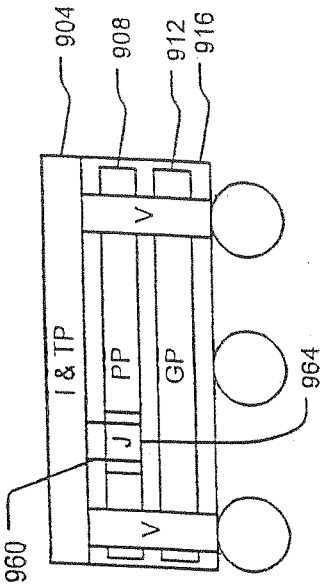


FIG. 15B

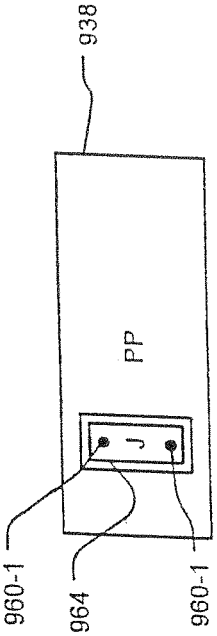


FIG. 15C

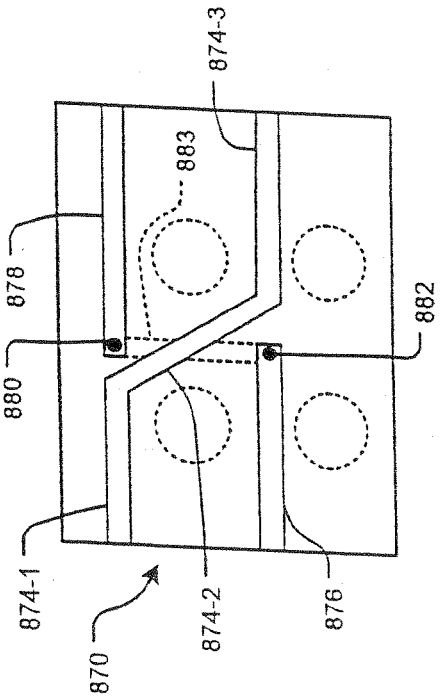


FIG. 14A

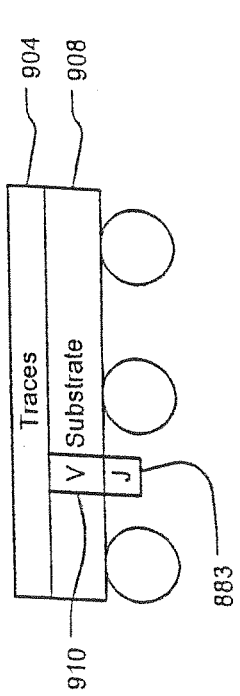


FIG. 14B