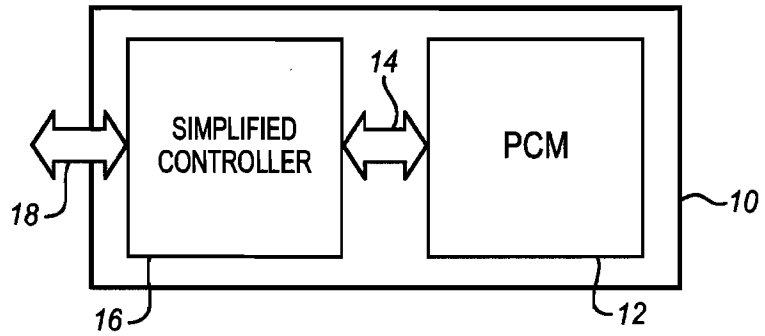


FIG. 1A

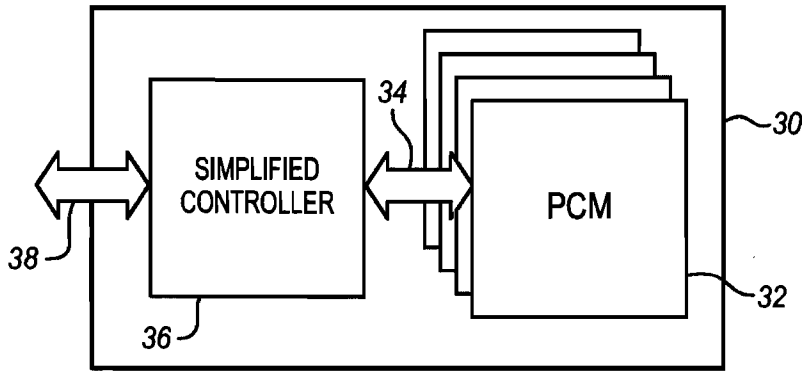


FIG. 1B

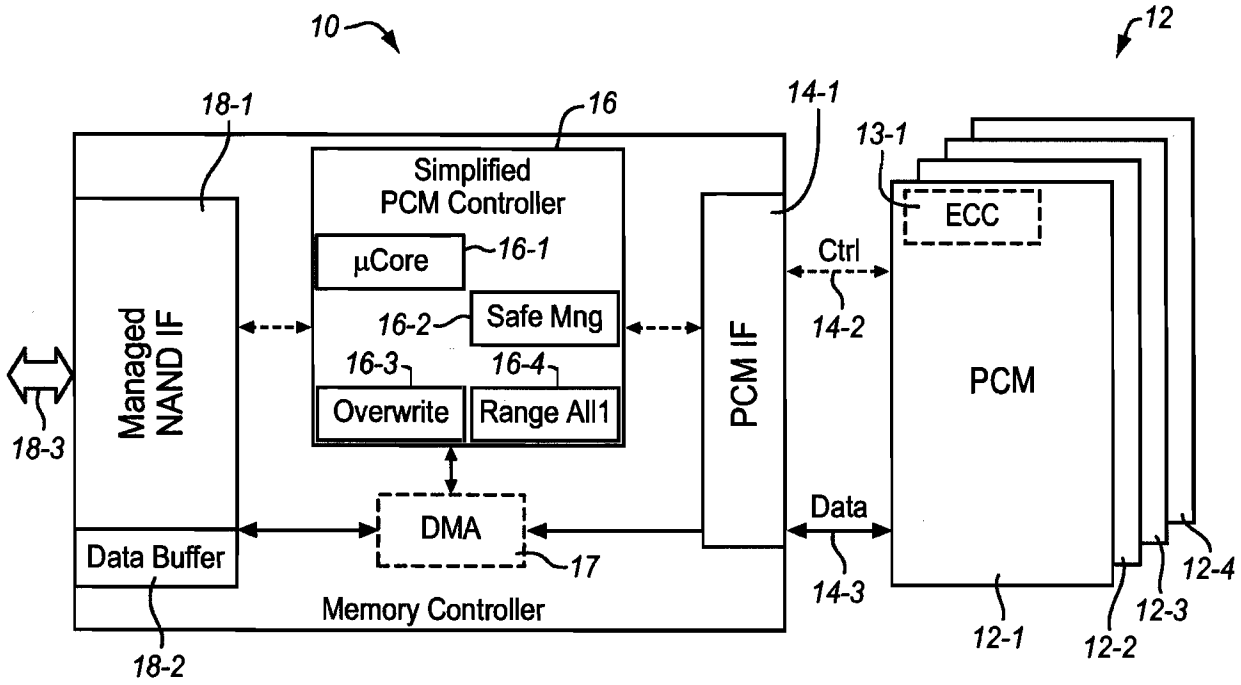


FIG. 2

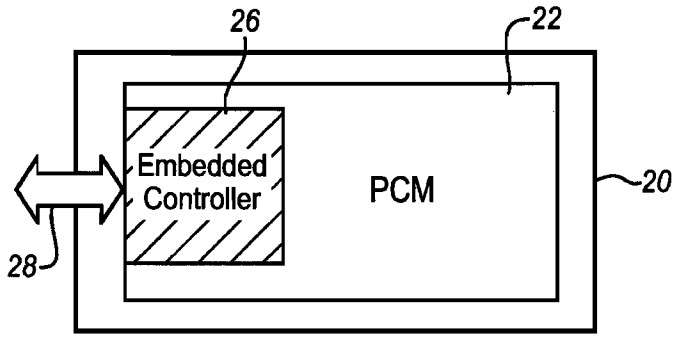

26
22
Embedded Controller
PCM
20
28

FIG. 3

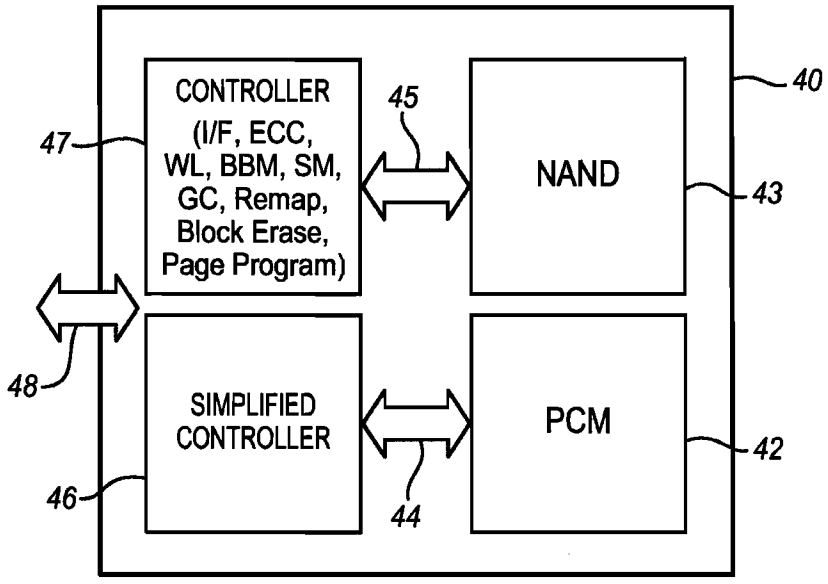

CONTROLLER
(I/F, ECC, WL, BBM, SM, GC, Remap, Block Erase, Page Program)
45
NAND
40
47
43
48
SIMPLIFIED CONTROLLER
PCM
42
46
44

FIG. 4

FIG. 5

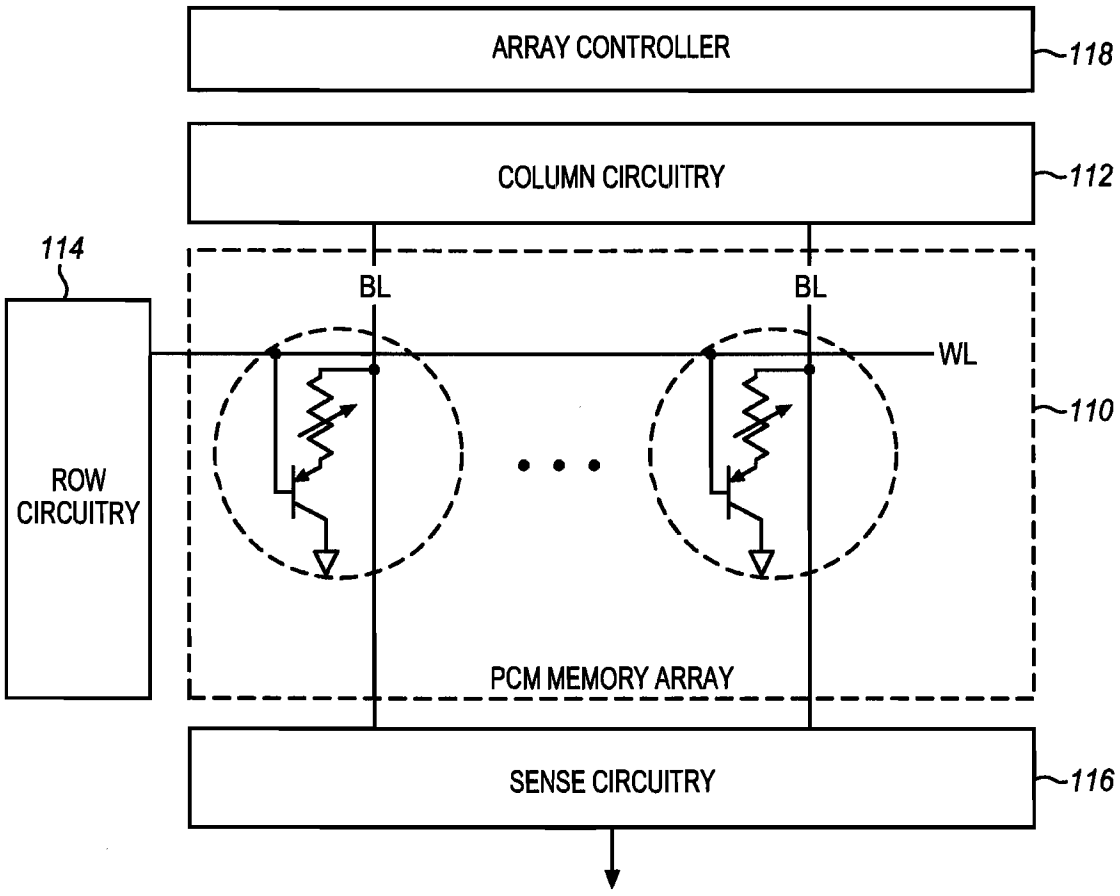
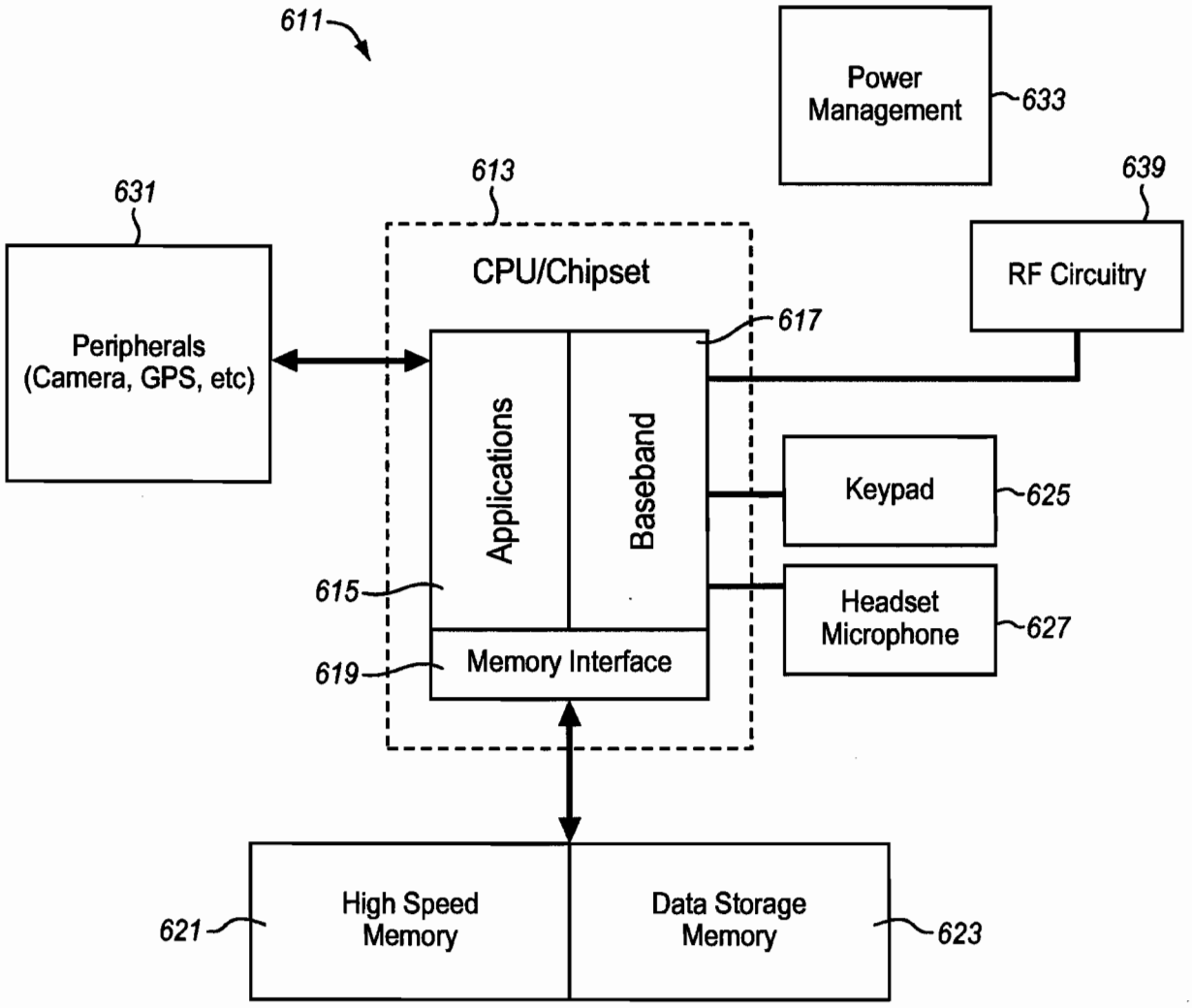

ARRAY CONTROLLER
118
COLUMN CIRCUITRY
112
114
BL
BL
WL
110
ROW
CIRCUITRY
PCM MEMORY ARRAY
SENSE CIRCUITRY
116

FIG. 6


611
Power Management
633
613
639
631
CPU/Chipset
RF Circuitry
Peripherals (Camera, GPS, etc)
617
Applications
Baseband
Keypad
625
615
Headset Microphone
627
619
Memory Interface
621
High Speed Memory
Data Storage Memory
623