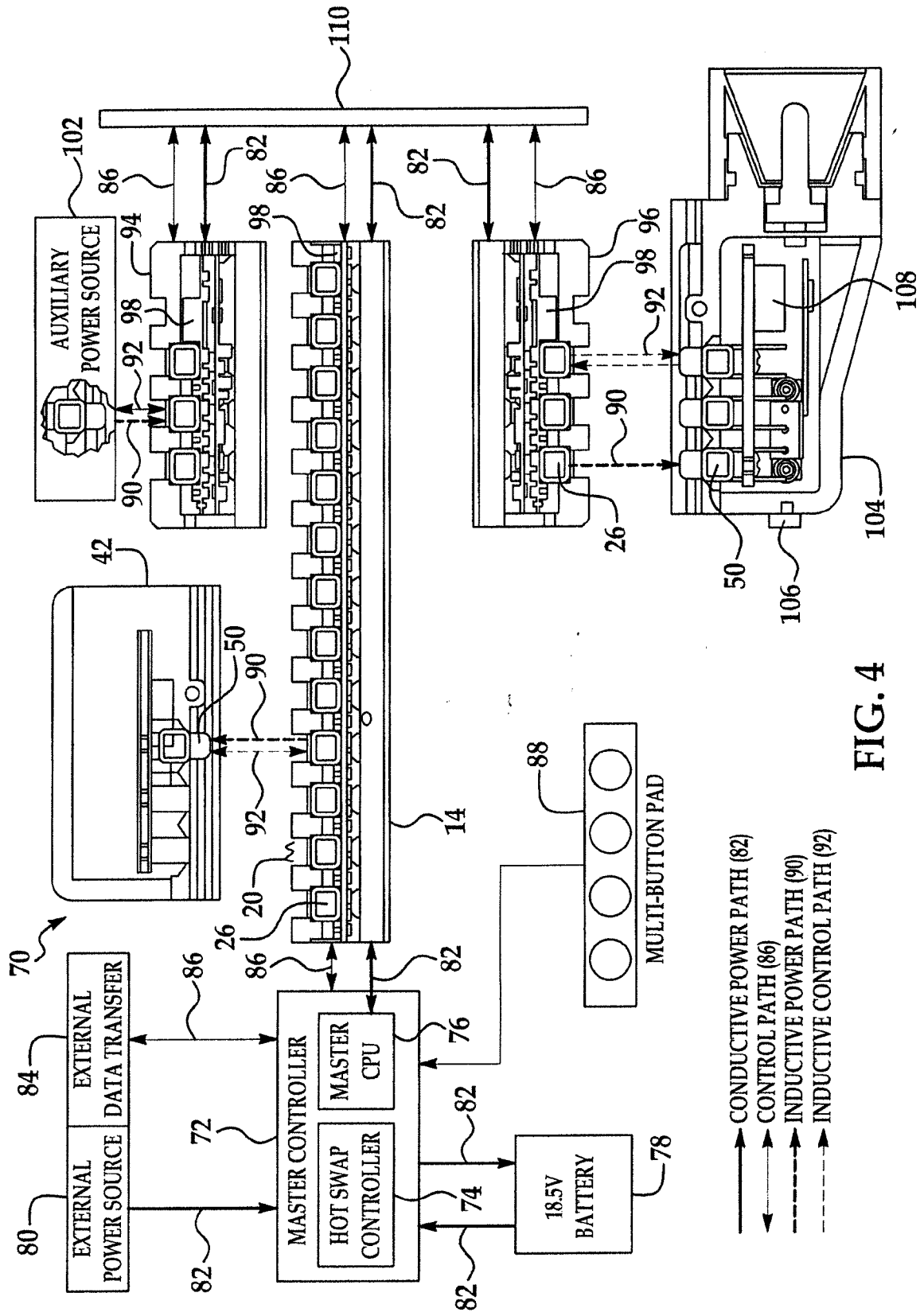

110
102
AUXILIARY POWER SOURCE
94
98
92
90
86
82
96
42
50
14
20
26
70
84
EXTERNAL DATA TRANSFER
80
EXTERNAL POWER SOURCE
72
MASTER CONTROLLER
HOT SWAP CONTROLLER
MASTER CPU
74
76
88
MULTI-BUTTON PAD
18.5V BATTERY
78
108
104
106
CONDUCTIVE POWER PATH (82)
CONTROL PATH (86)
INDUCTIVE POWER PATH (90)
INDUCTIVE CONTROL PATH (92)

FIG. 4

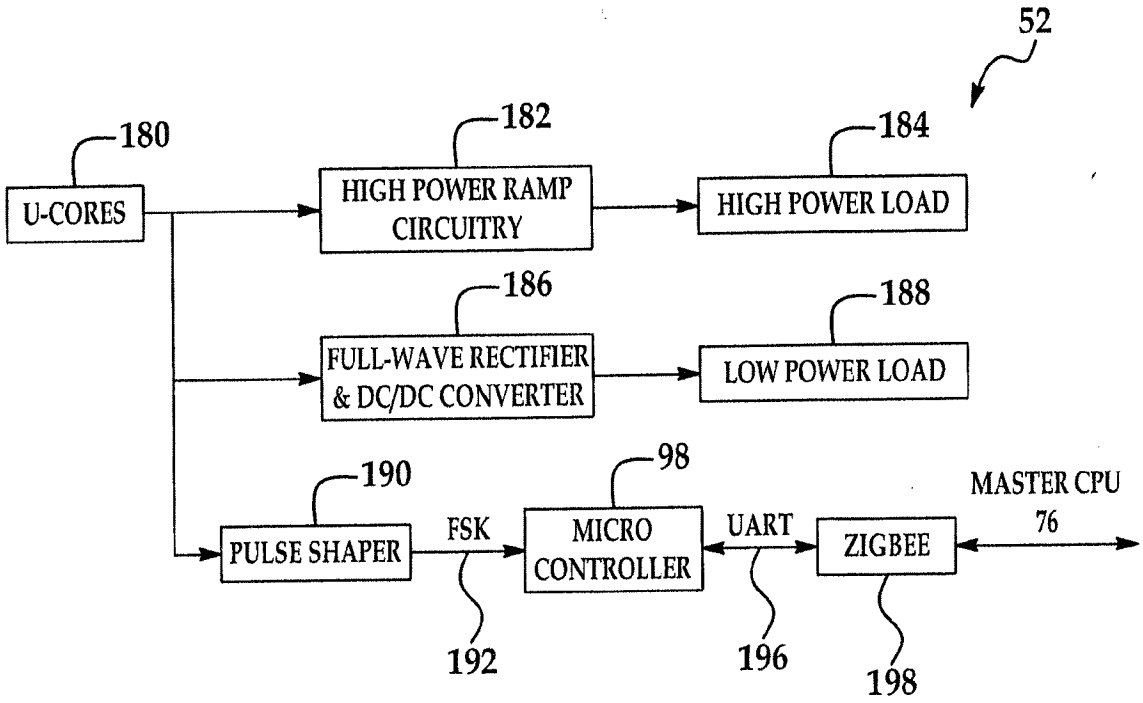

52
180
182
184
U-CORES
HIGH POWER RAMP CIRCUITRY
HIGH POWER LOAD
186
188
FULL-WAVE RECTIFIER & DC/DC CONVERTER
LOW POWER LOAD
190
98
MASTER CPU
76
PULSE SHAPER
FSK
MICRO CONTROLLER
UART
ZIGBEE
192
196
198

FIG. 6

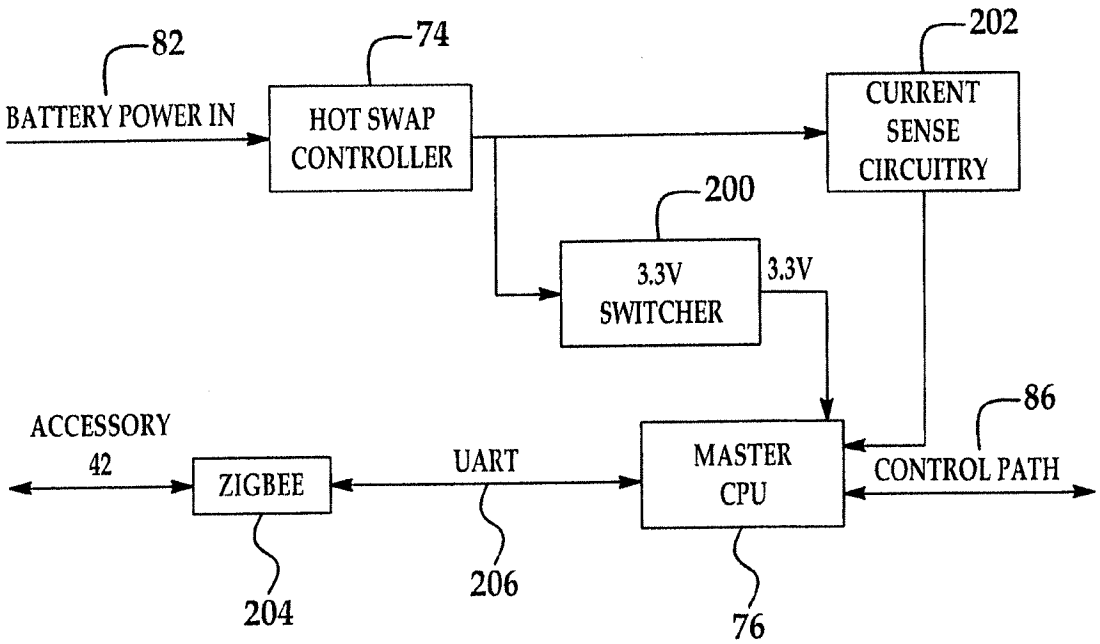

82
74
202
BATTERY POWER IN
HOT SWAP CONTROLLER
CURRENT SENSE CIRCUITRY
200
3.3V SWITCHER
3.3V
86
ACCESSORY 42
ZIGBEE
UART
MASTER CPU
CONTROL PATH
204
206
76

FIG. 7

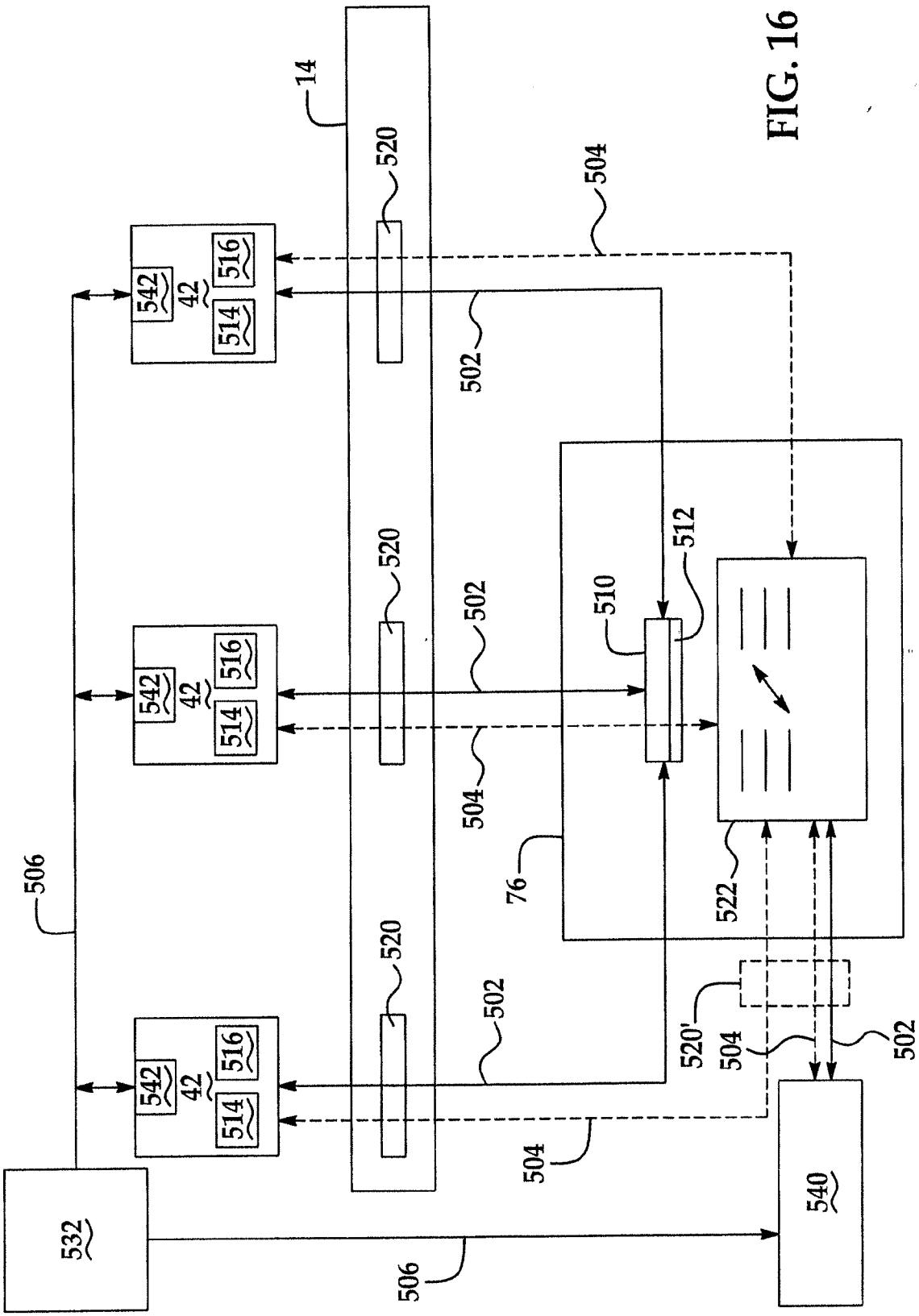

14
520
504
542
42
516
514
502
520
502
512
510
504
506
76
522
520
502
520'
504
502
504
532
506
540

FIG. 16

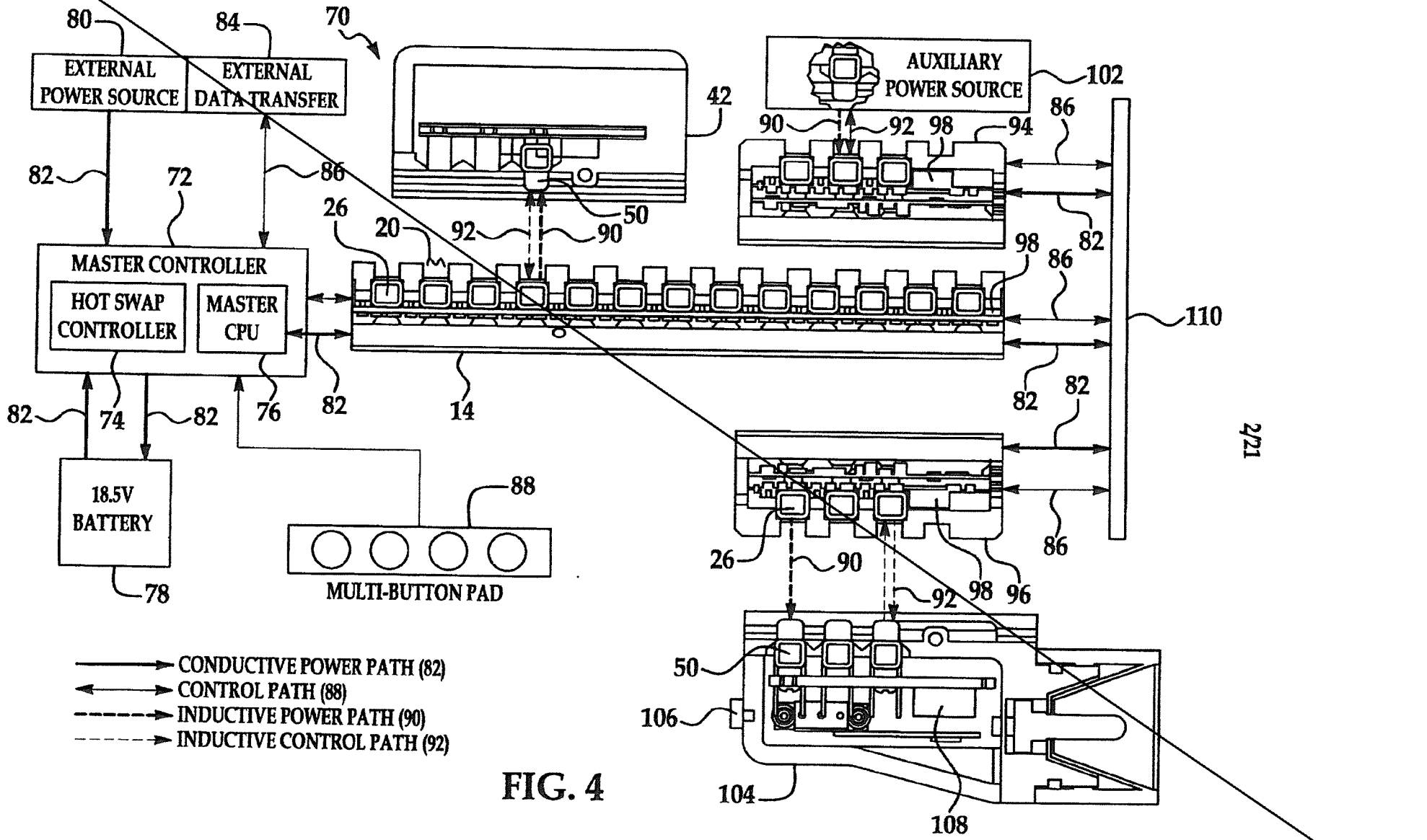

80
84
70
EXTERNAL POWER SOURCE
EXTERNAL DATA TRANSFER
42
AUXILIARY POWER SOURCE
102
90
92
98
94
86
82
72
86
26
20
92
90
50
MASTER CONTROLLER
HOT SWAP CONTROLLER
MASTER CPU
98
86
110
82
82
82
74
82
76
82
14
82
82
18.5V BATTERY
88
78
MULTI-BUTTON PAD
26
90
92
98
96
86
50
106
104
108
CONDUCTIVE POWER PATH (82)
CONTROL PATH (88)
INDUCTIVE POWER PATH (90)
INDUCTIVE CONTROL PATH (92)

FIG. 4

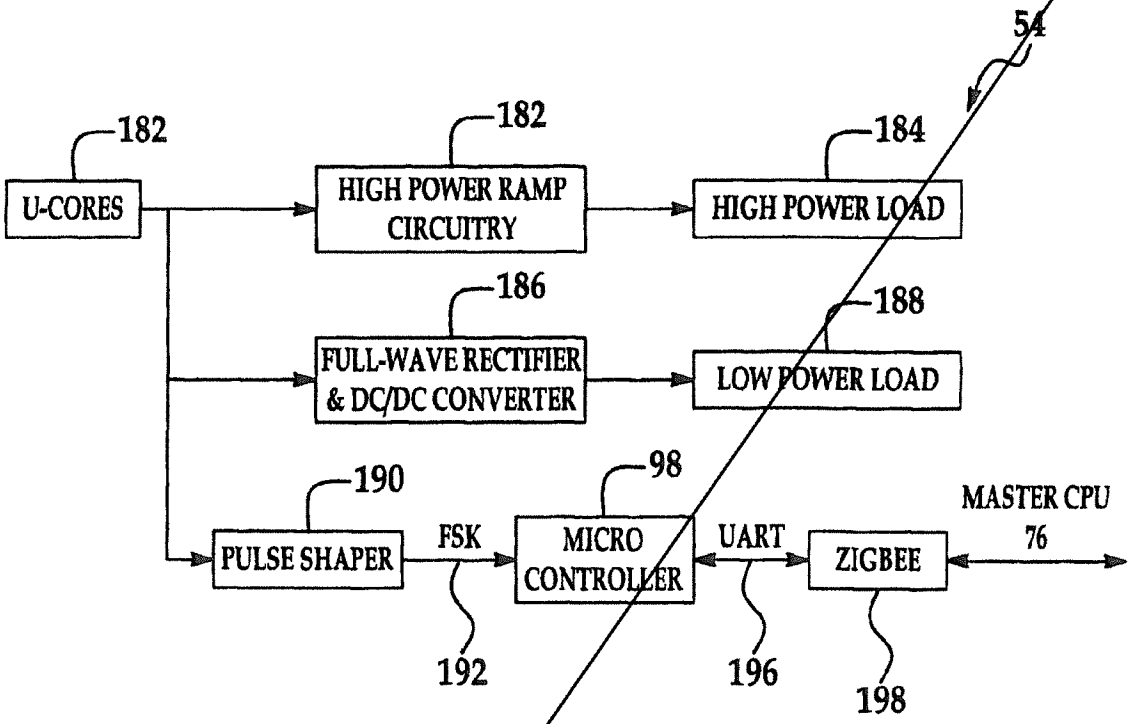

54
182
U-CORES
182
HIGH POWER RAMP CIRCUITRY
184
HIGH POWER LOAD
186
FULL-WAVE RECTIFIER & DC/DC CONVERTER
188
LOW POWER LOAD
190
PULSE SHAPER
FSK
98
MICRO CONTROLLER
UART
ZIGBEE
MASTER CPU
76
192
196
198

FIG. 6

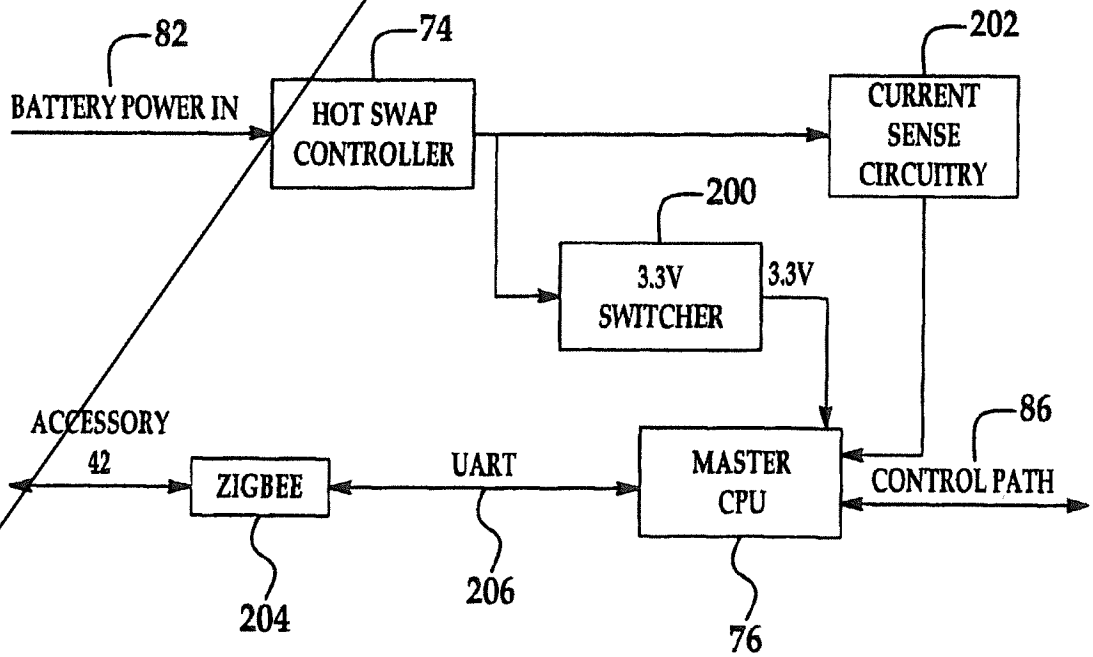

82
BATTERY POWER IN
74
HOT SWAP CONTROLLER
202
CURRENT SENSE CIRCUITRY
200
3.3V SWITCHER
3.3V
ACCESSORY
42
ZIGBEE
UART
MASTER CPU
86
CONTROL PATH
204
206
76

FIG. 7

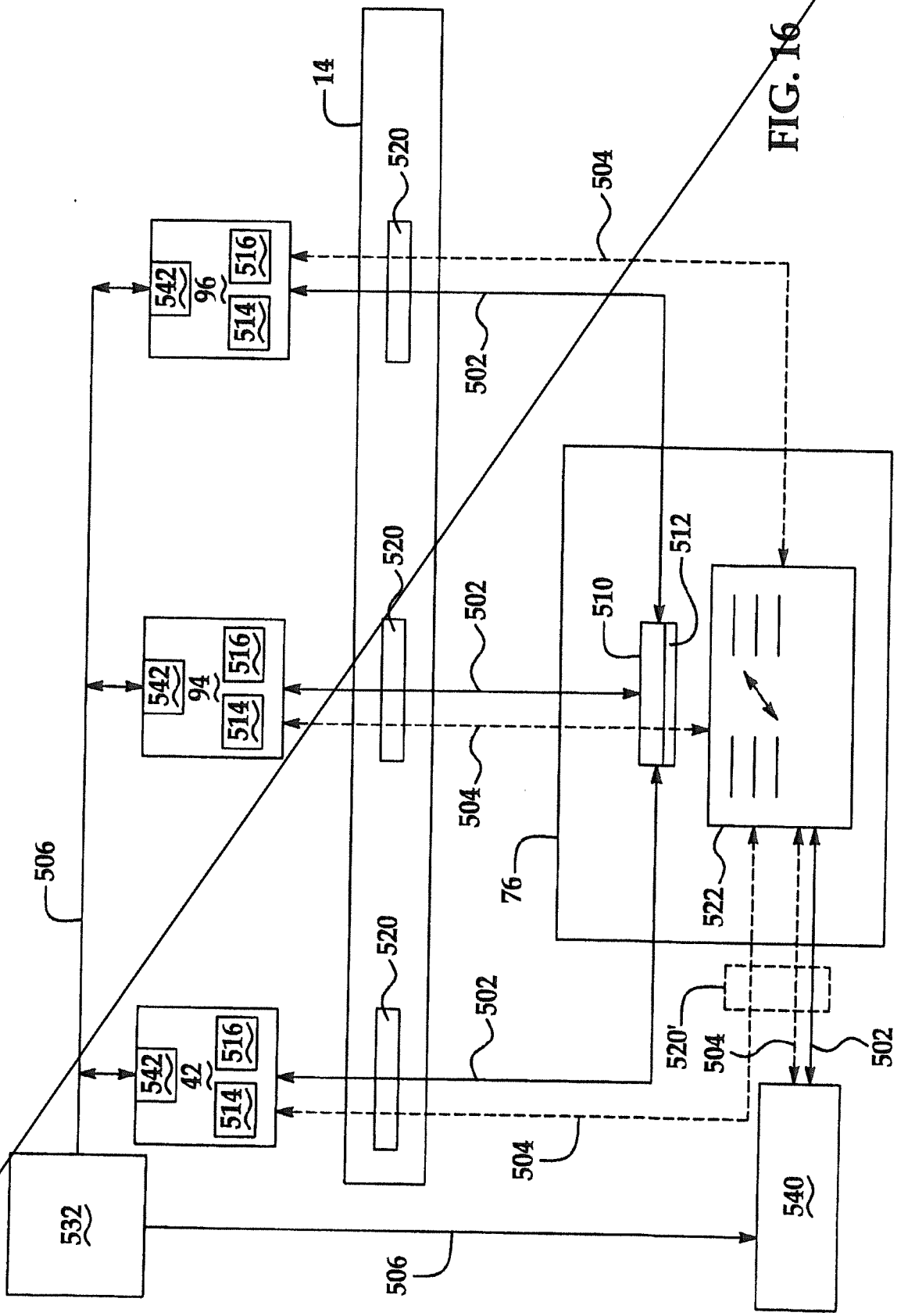

14
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502
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512
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542
94
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514
502
504
506
76
522
520
502
520'
504
502
542
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516
514
504
532
506
540

FIG. 16