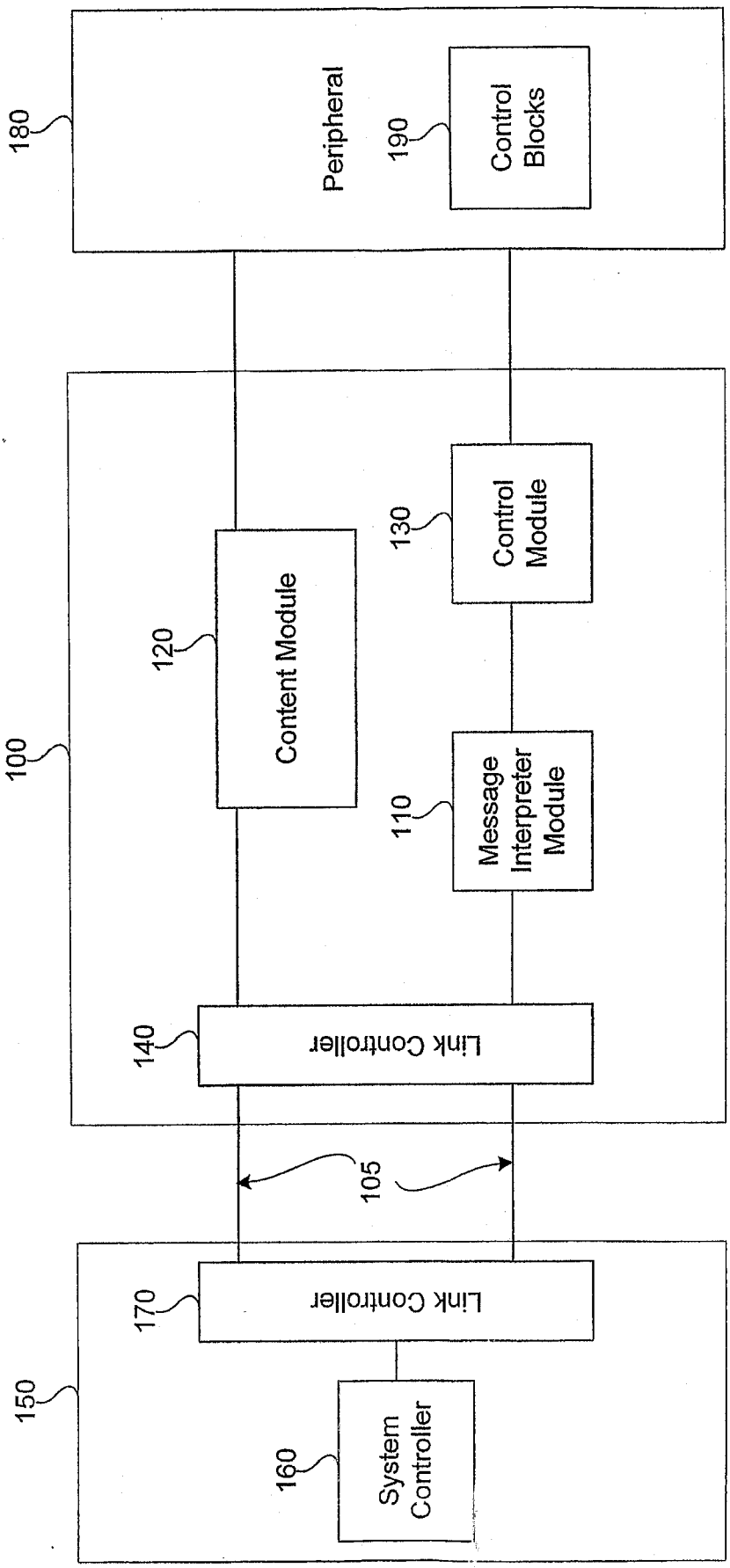

180
Peripheral
190
Control Blocks
100
120
Content Module
130
Control Module
110
Message Interpreter Module
140
Link Controller
105
150
170
Link Controller
160
System Controller

FIG. 1

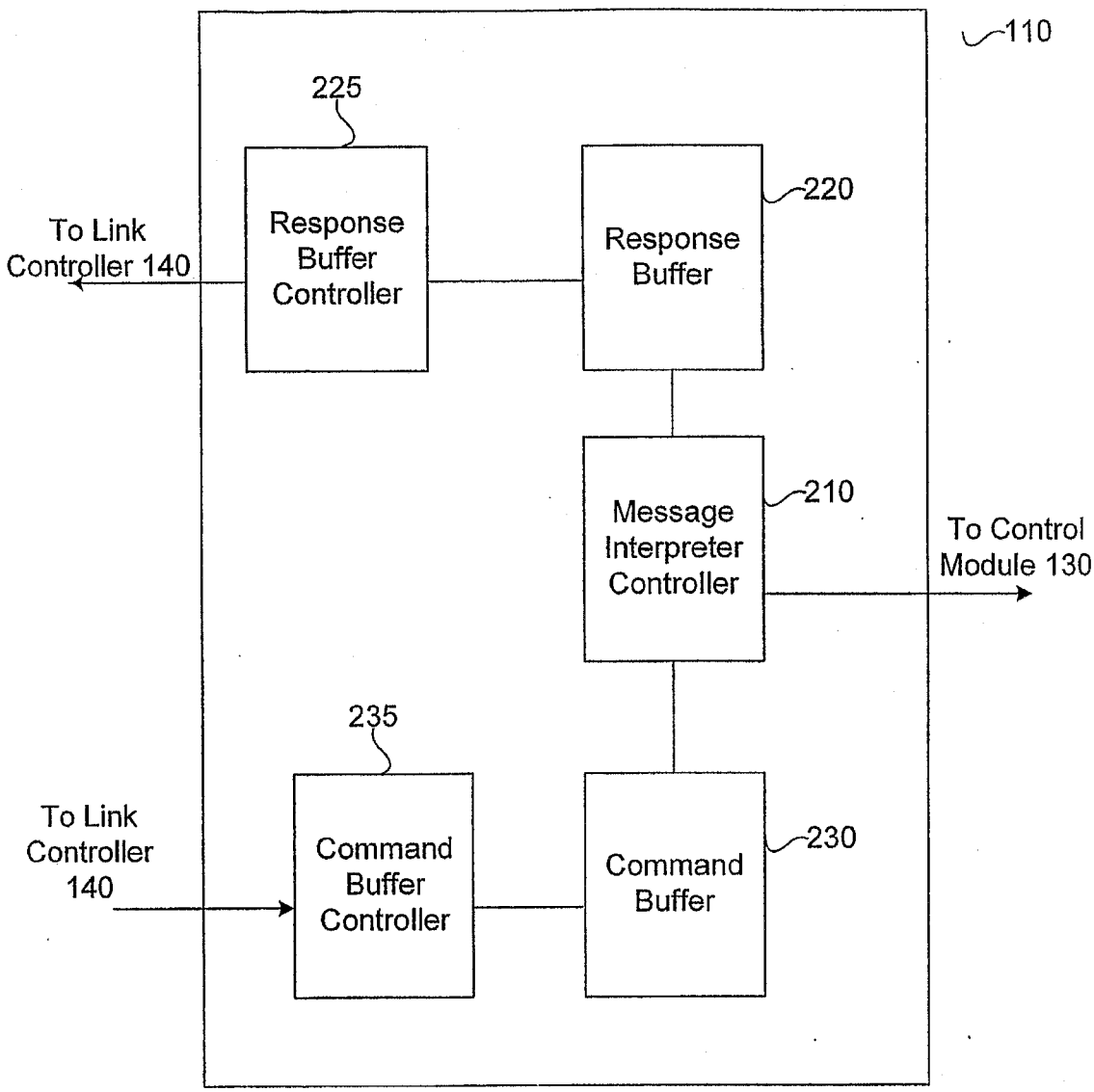

110
225
Response Buffer Controller
To Link Controller 140
220
Response Buffer
210
Message Interpreter Controller
To Control Module 130
235
Command Buffer Controller
To Link Controller 140
230
Command Buffer

FIG. 2

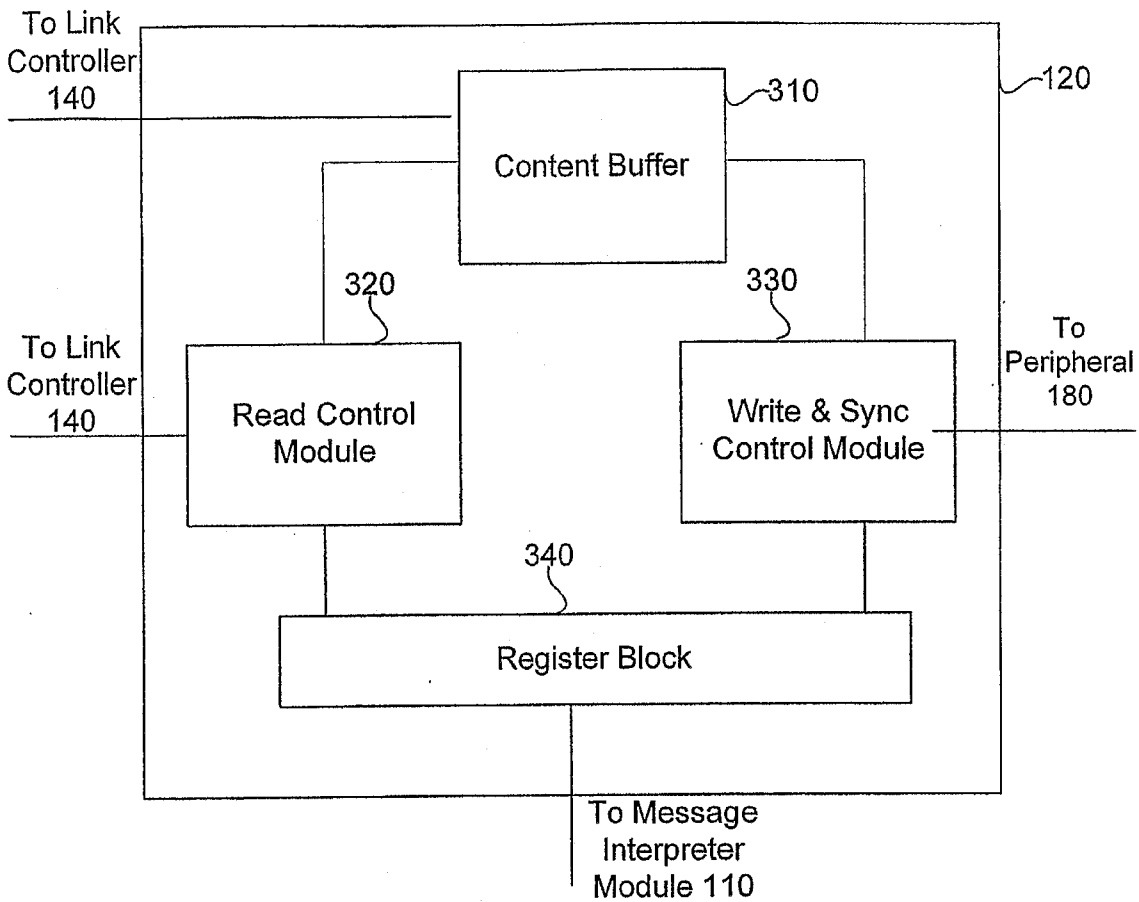

To Link Controller 140
Content Buffer
310
120
320
330
To Link Controller 140
Read Control Module
Write & Sync Control Module
To Peripheral 180
340
Register Block
To Message Interpreter Module 110

FIG. 3

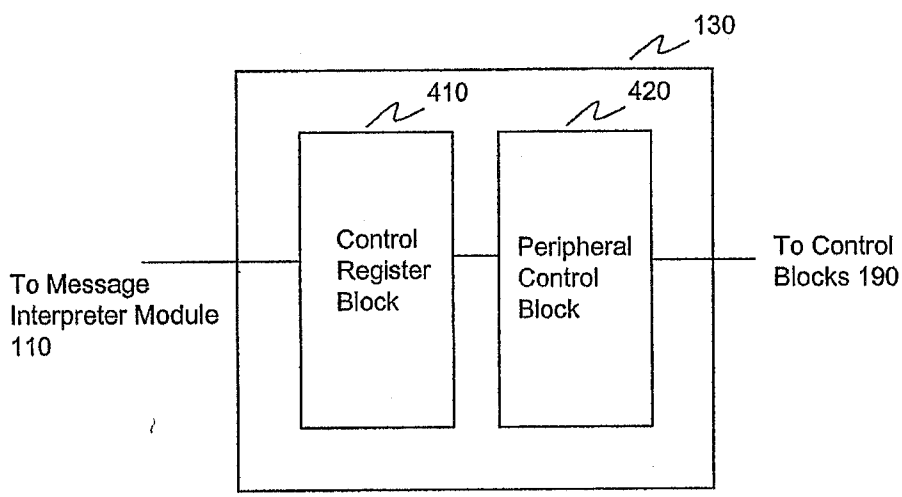

130
410
420
Control Register Block
Peripheral Control Block
To Message Interpreter Module 110
To Control Blocks 190

FIG. 4

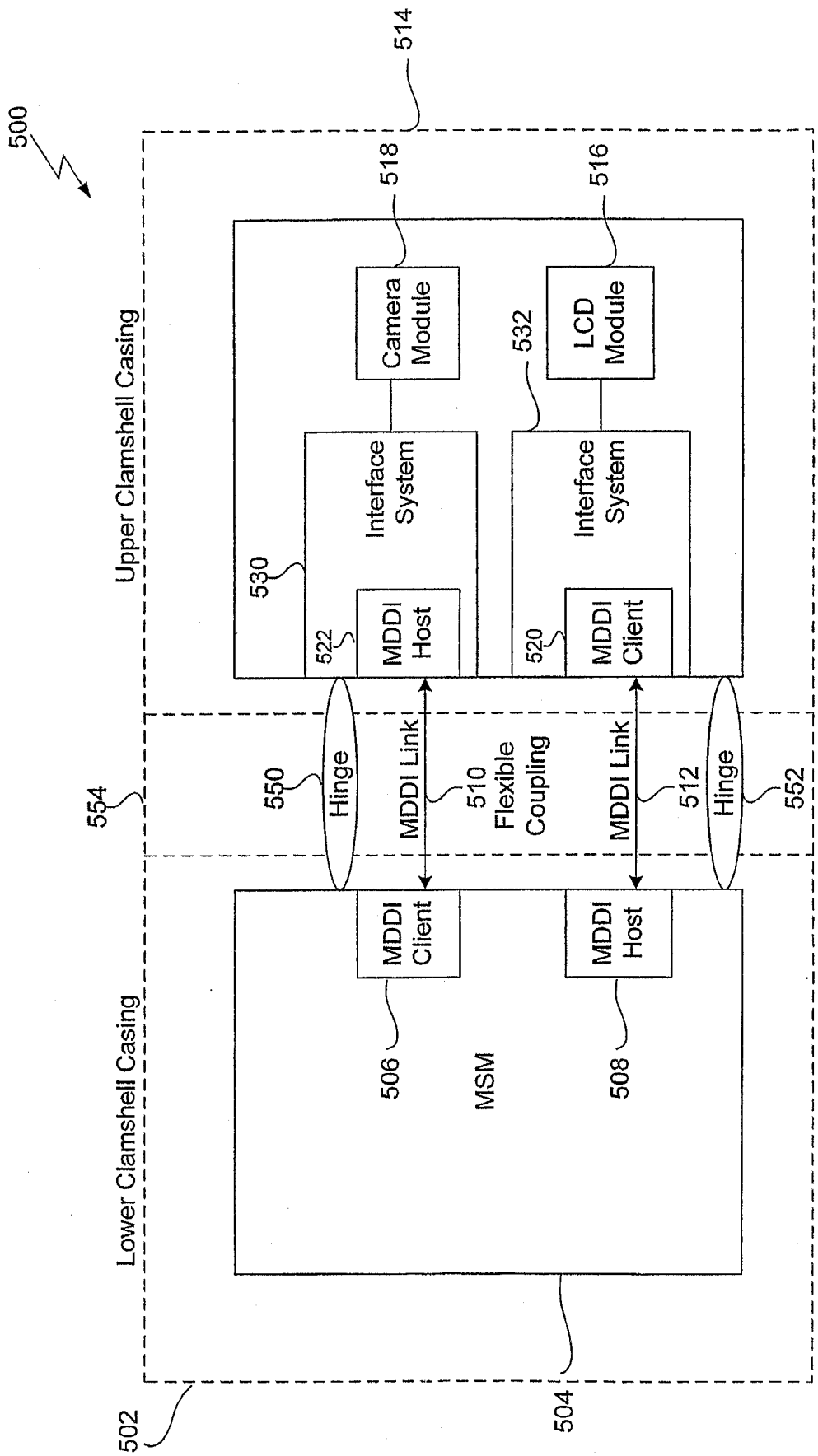

500
514
Upper Clamshell Casing
518
516
Camera Module
LCD Module
532
Interface System
Interface System
530
522
MDDI Host
520
MDDI Client
554
550
Hinge
MDDI Link
510
Flexible Coupling
MDDI Link
512
Hinge
552
MDDI Client
MDDI Host
506
MSM
508
Lower Clamshell Casing
502
504

FIG. 5

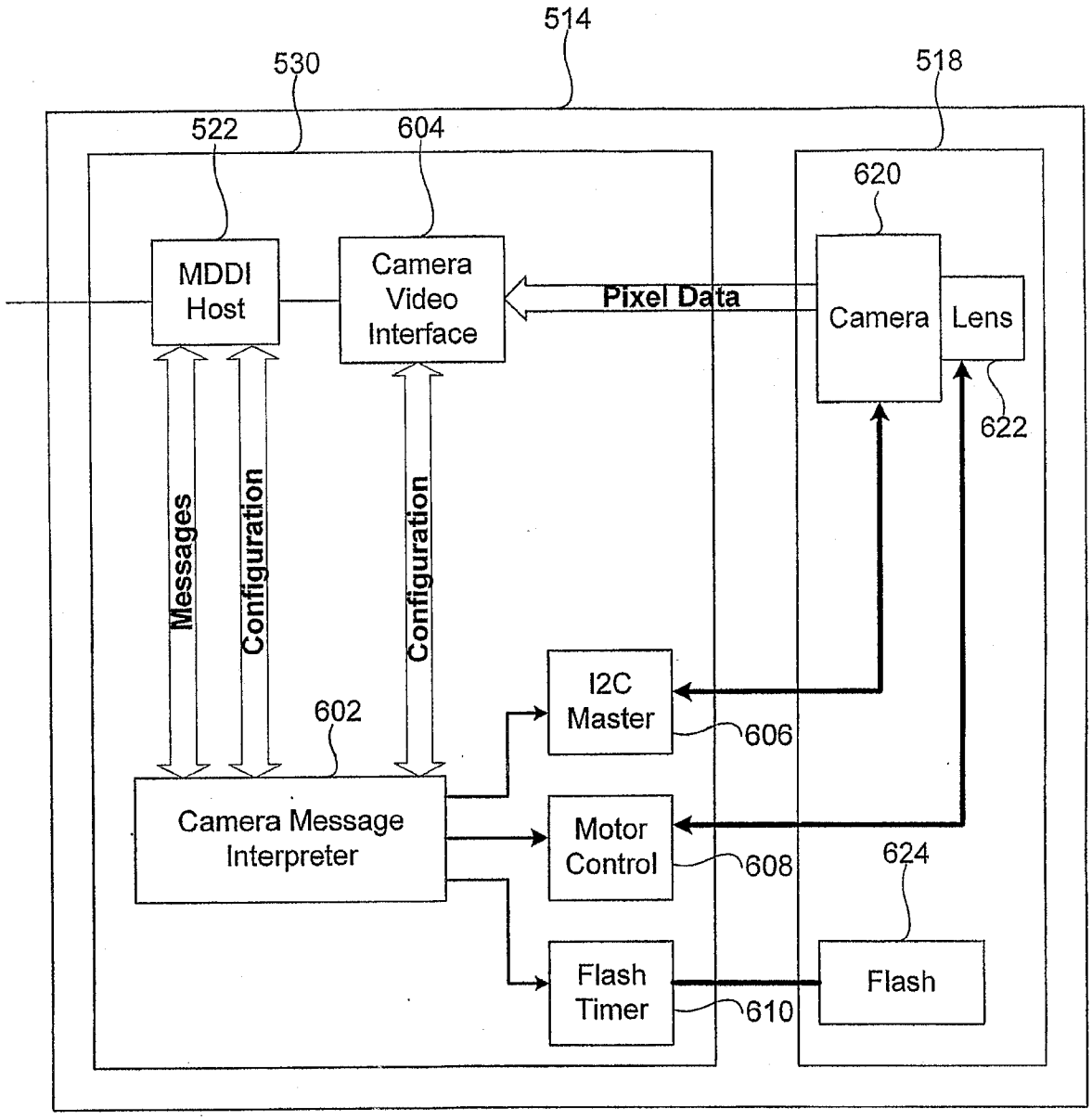

514
530
518
522
604
620
MDDI Host
Camera Video Interface
Pixel Data
Camera
Lens
622
Messages
Configuration
Configuration
602
I2C Master
606
Camera Message Interpreter
Motor Control
608
624
Flash Timer
610
Flash

FIG. 6

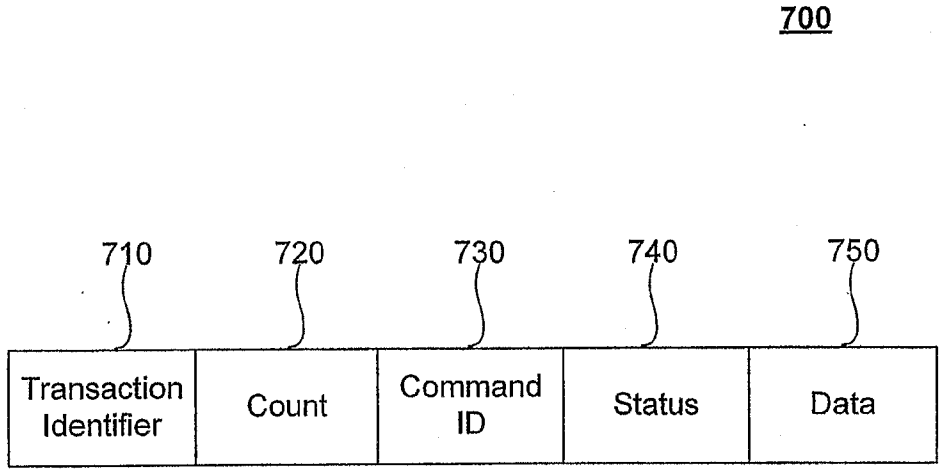

700
710
720
730
740
750
Transaction Identifier
Count
Command ID
Status
Data

FIG. 7

800

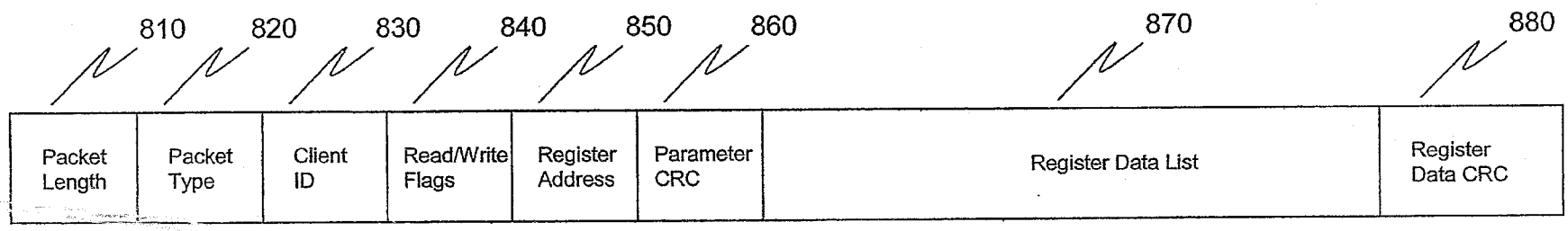

810
820
830
840
850
860
870
880
Packet Length
Packet Type
Client ID
Read/Write Flags
Register Address
Parameter CRC
Register Data List
Register Data CRC

FIG. 8