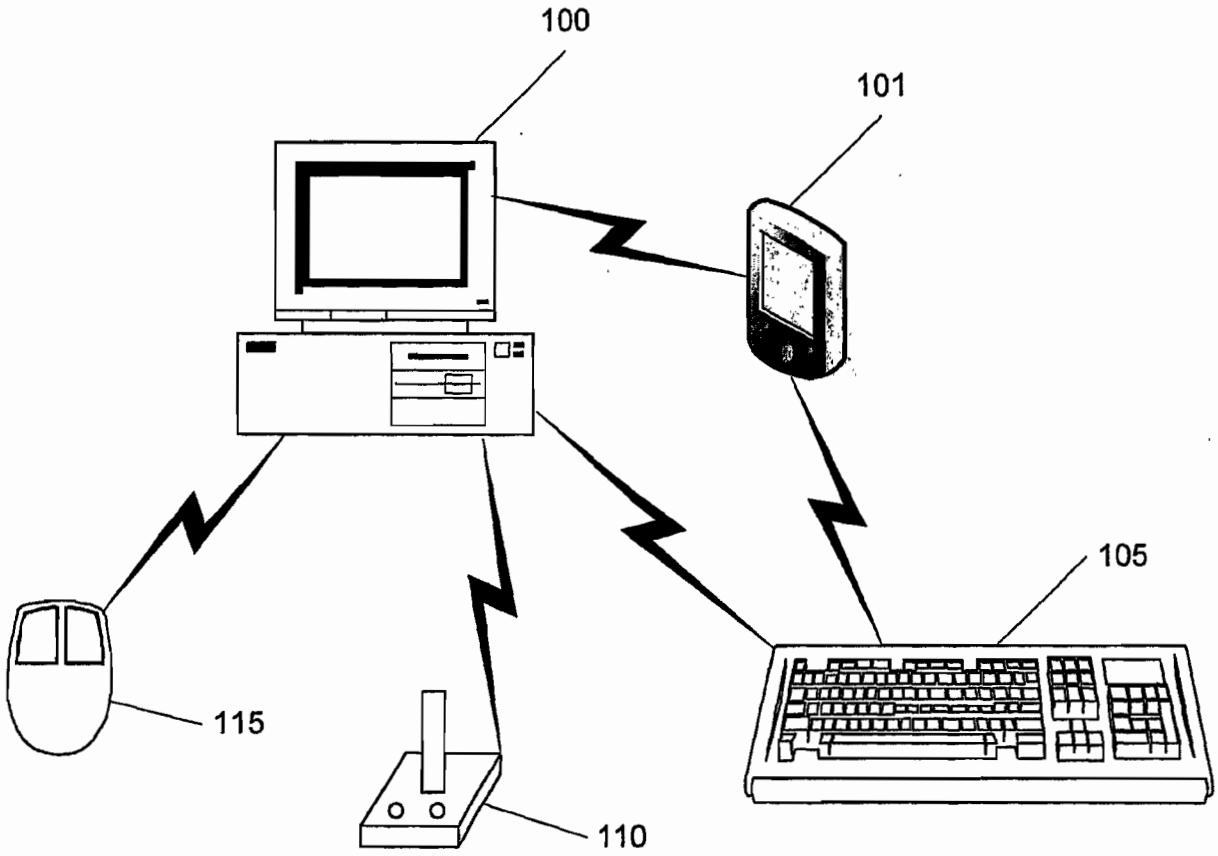


FIG. 1

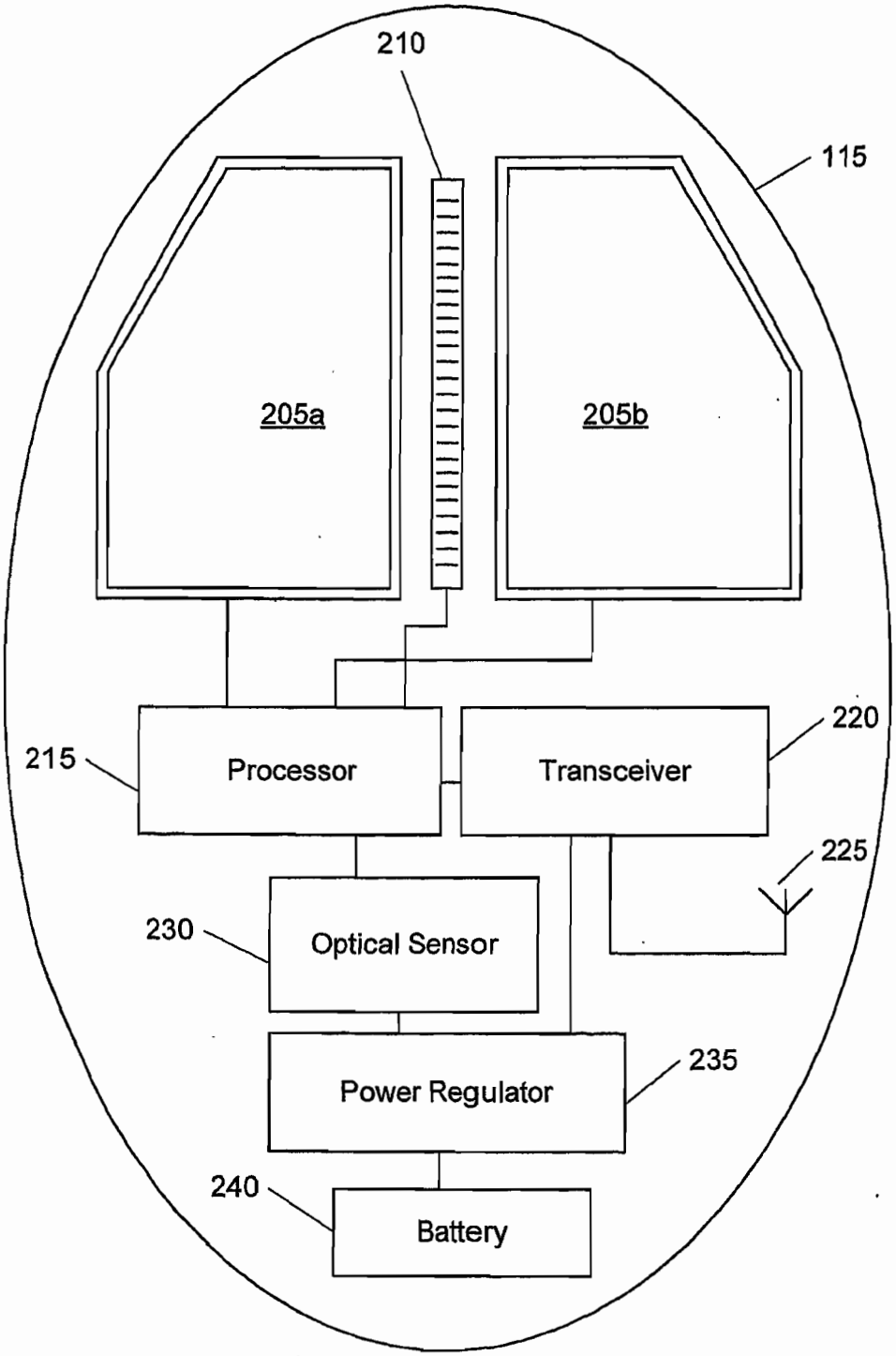

210
115
205a
205b
215
Processor
Transceiver
220
225
230
Optical Sensor
Power Regulator
235
240
Battery

FIG. 2

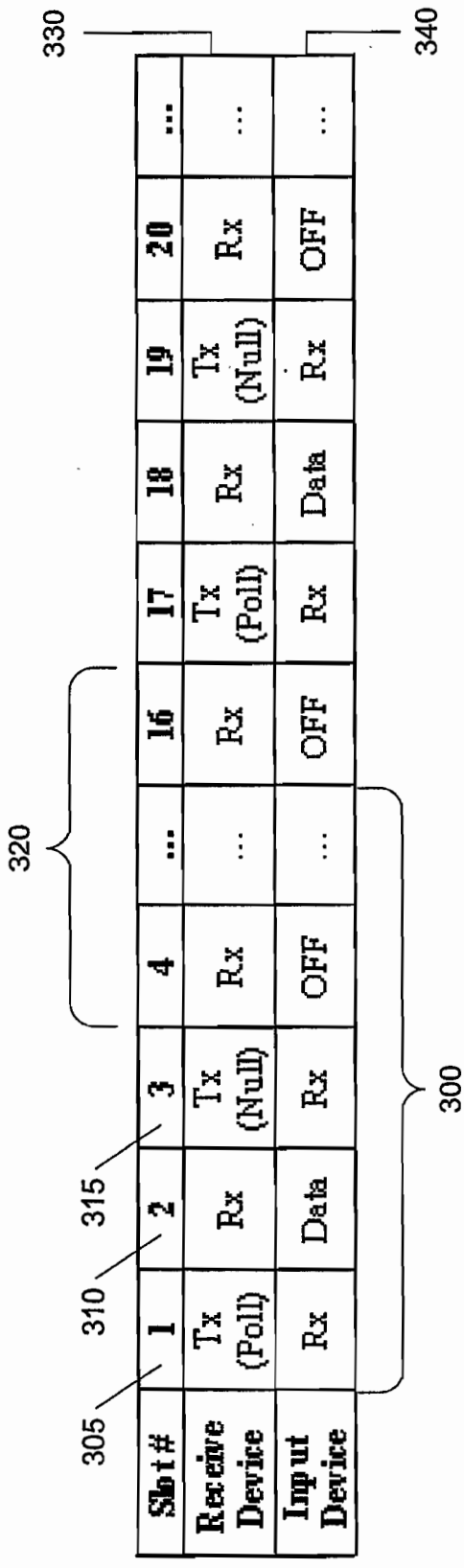

330
340
320
315
310
305
300
Slot#
Receive Device
Input Device
1
Tx (Poll)
Rx
2
Rx
Data
3
Tx (Null)
Rx
4
Rx
OFF
...
...
...
16
Rx
OFF
17
Tx (Poll)
Rx
18
Rx
Data
19
Tx (Null)
Rx
20
Rx
OFF
...
...
...

FIG. 3

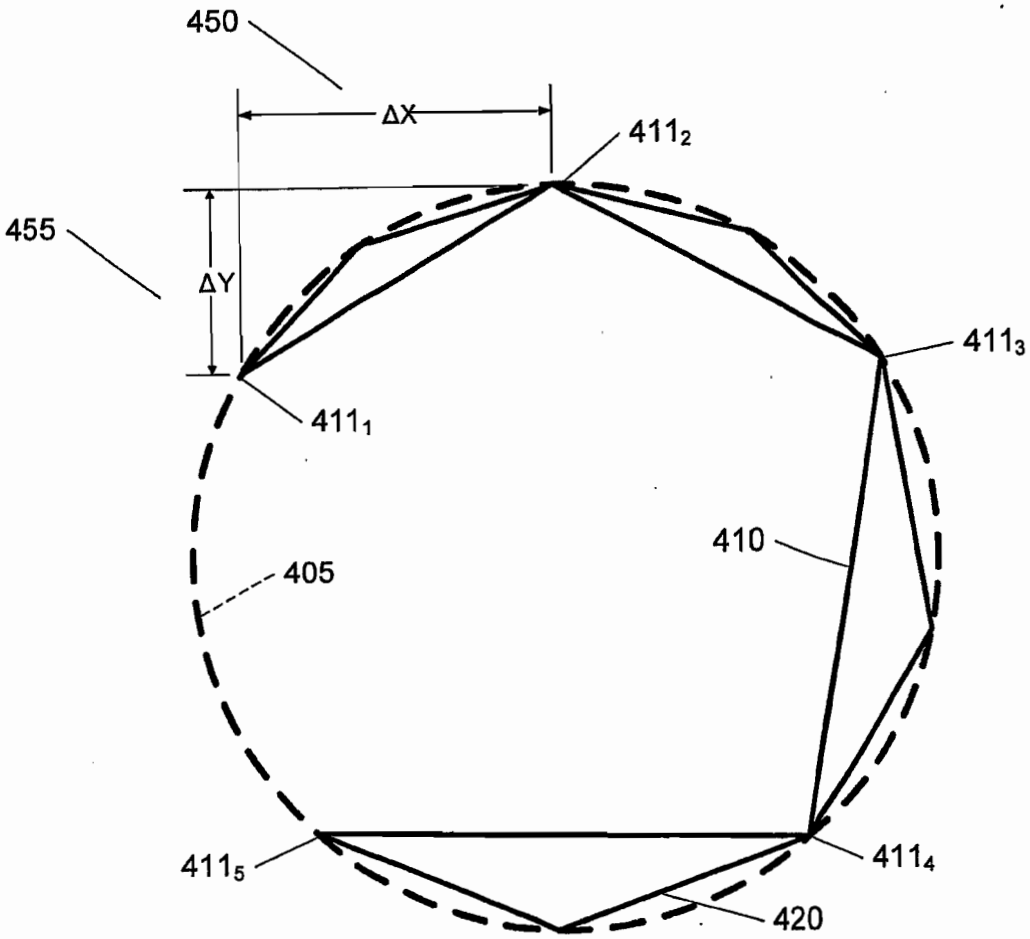


FIG. 4

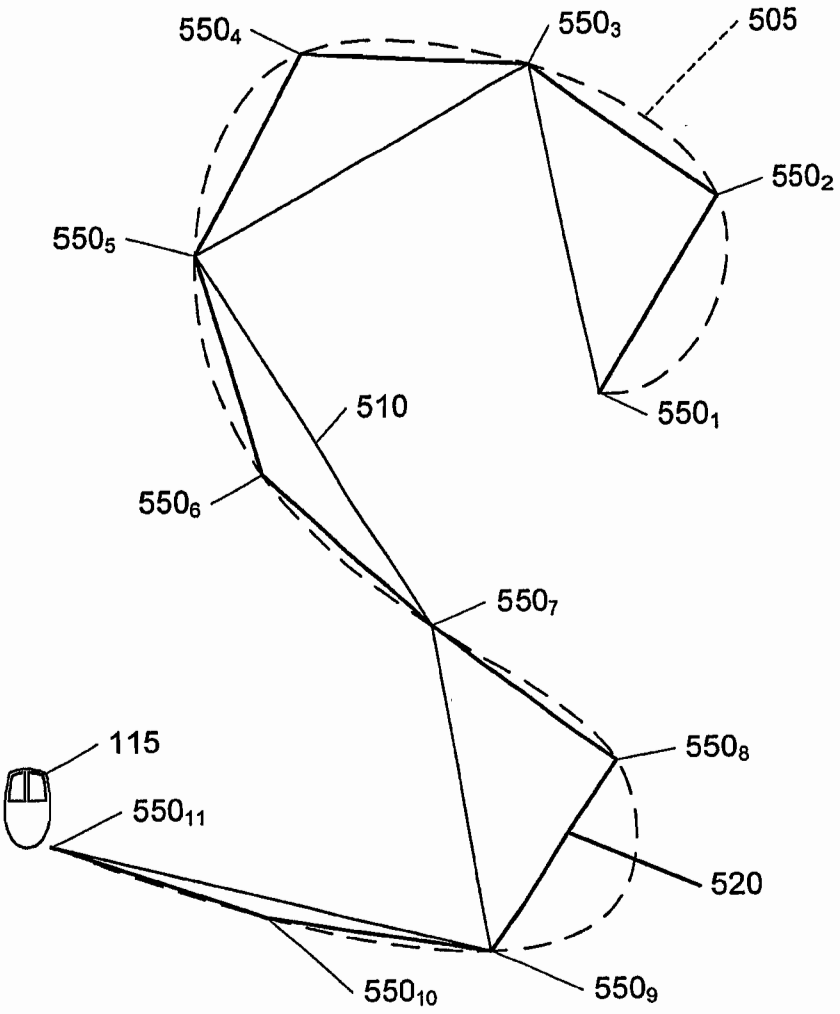

550_4
550_3
505
550_2
550_5
510
550_1
550_6
550_7
115
550_8
550_{11}
520
550_{10}
550_9

FIG. 5

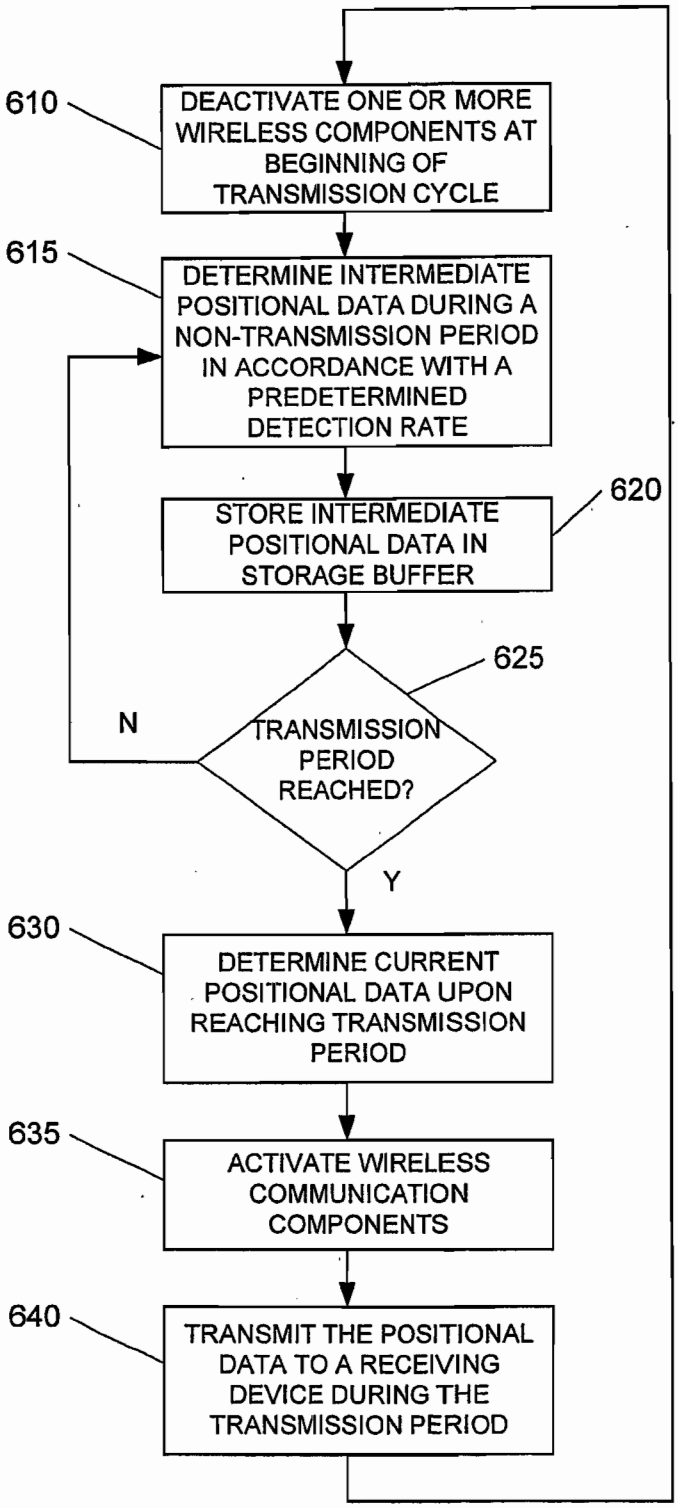

610
DEACTIVATE ONE OR MORE WIRELESS COMPONENTS AT BEGINNING OF TRANSMISSION CYCLE
615
DETERMINE INTERMEDIATE POSITIONAL DATA DURING A NON-TRANSMISSION PERIOD IN ACCORDANCE WITH A PREDETERMINED DETECTION RATE
620
STORE INTERMEDIATE POSITIONAL DATA IN STORAGE BUFFER
625
TRANSMISSION PERIOD REACHED?
N
Y
630
DETERMINE CURRENT POSITIONAL DATA UPON REACHING TRANSMISSION PERIOD
635
ACTIVATE WIRELESS COMMUNICATION COMPONENTS
640
TRANSMIT THE POSITIONAL DATA TO A RECEIVING DEVICE DURING THE TRANSMISSION PERIOD

FIG. 6A

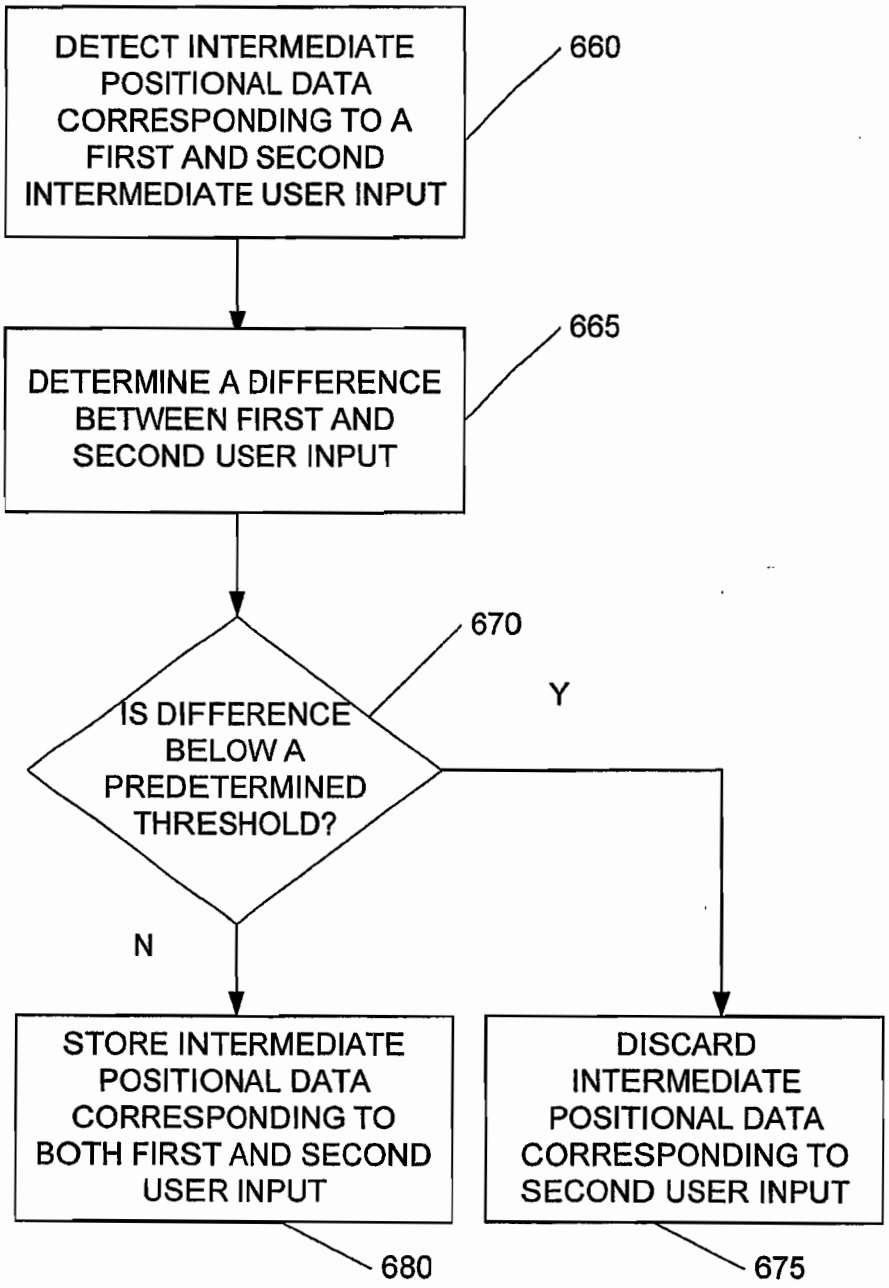

DETECT INTERMEDIATE POSITIONAL DATA CORRESPONDING TO A FIRST AND SECOND INTERMEDIATE USER INPUT
660
DETERMINE A DIFFERENCE BETWEEN FIRST AND SECOND USER INPUT
665
IS DIFFERENCE BELOW A PREDETERMINED THRESHOLD?
670
Y
N
STORE INTERMEDIATE POSITIONAL DATA CORRESPONDING TO BOTH FIRST AND SECOND USER INPUT
680
DISCARD INTERMEDIATE POSITIONAL DATA CORRESPONDING TO SECOND USER INPUT
675

FIG. 6B

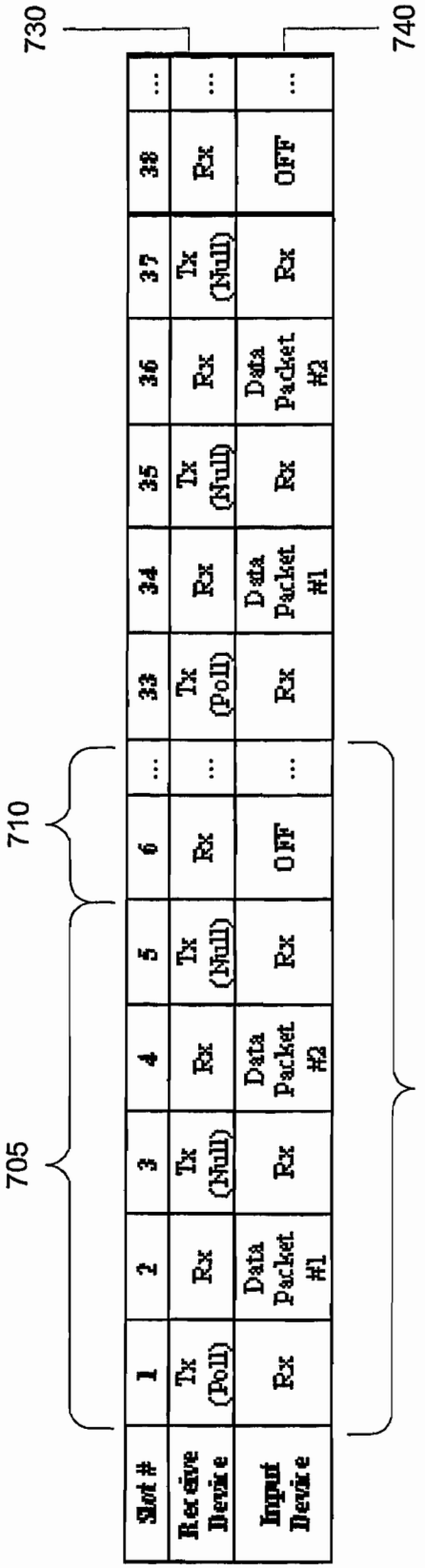

730
740
710
705
700
Slot #
Receive Device
Input Device
1
2
3
4
5
6
...
33
34
35
36
37
38
...
Tx (Poll)
Rx
Tx (Null)
Rx
Tx (Null)
Rx
...
Tx (Poll)
Rx
Tx (Null)
Rx
Tx (Null)
Rx
...
Rx
Data Packet #1
Rx
Data Packet #2
Rx
OFF
...
Rx
Data Packet #1
Rx
Data Packet #2
Rx
OFF
...
Rx
OFF
...

FIG. 7

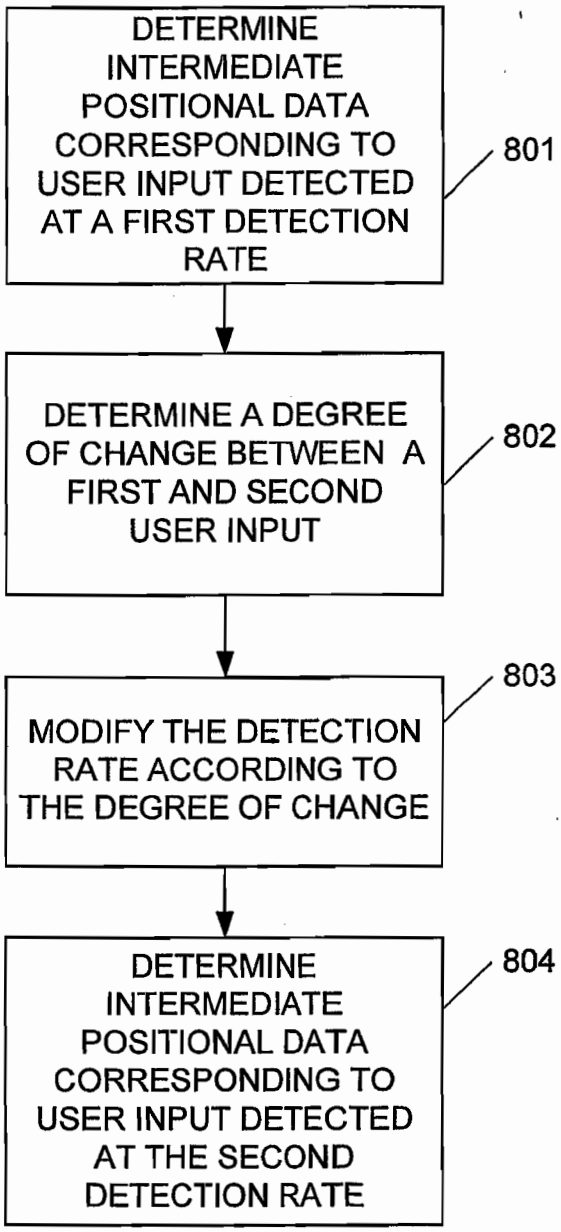

DETERMINE INTERMEDIATE POSITIONAL DATA CORRESPONDING TO USER INPUT DETECTED AT A FIRST DETECTION RATE
801
DETERMINE A DEGREE OF CHANGE BETWEEN A FIRST AND SECOND USER INPUT
802
MODIFY THE DETECTION RATE ACCORDING TO THE DEGREE OF CHANGE
803
DETERMINE INTERMEDIATE POSITIONAL DATA CORRESPONDING TO USER INPUT DETECTED AT THE SECOND DETECTION RATE
804

FIG. 8