FIGURE 1

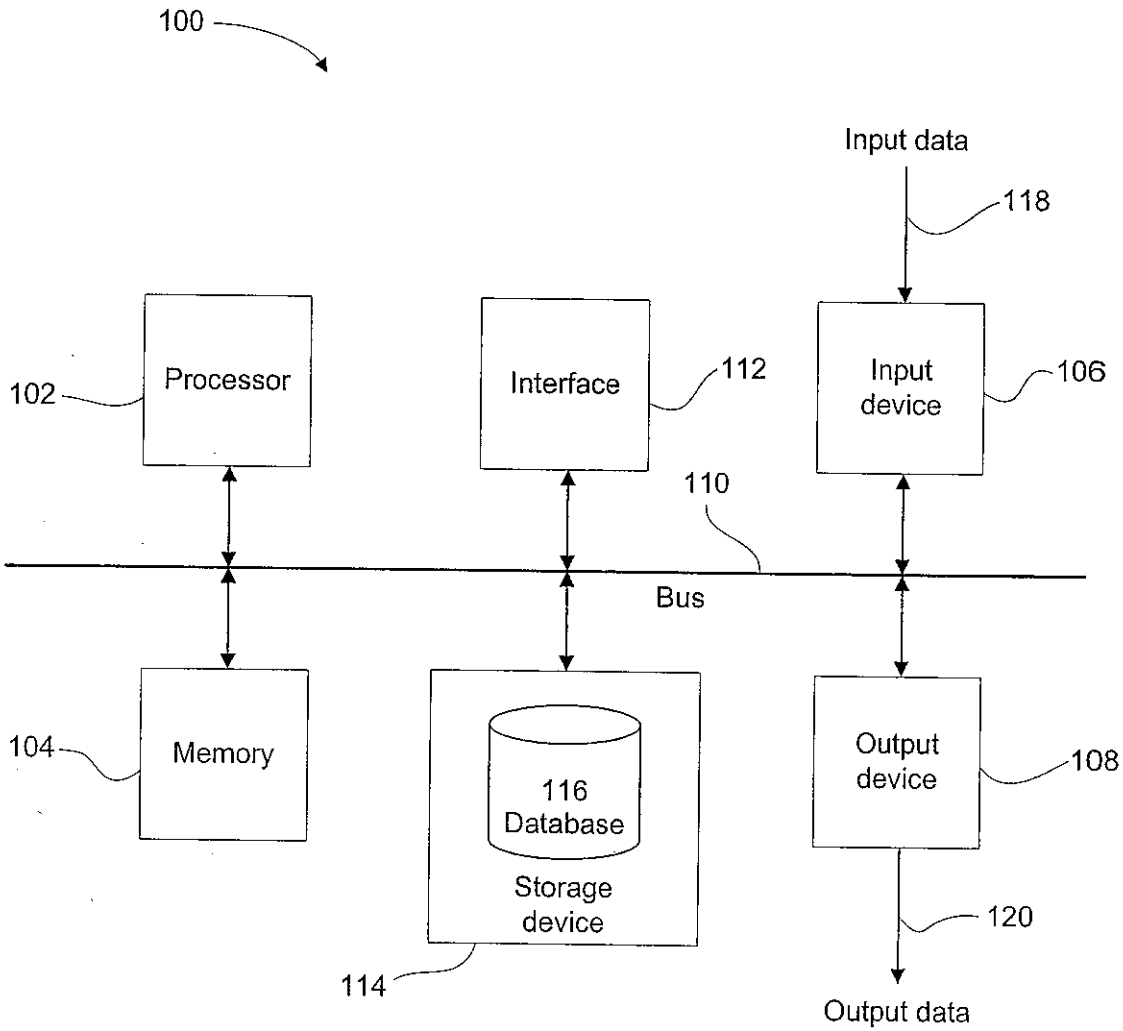

100
Input data
118
Processor
102
Interface
112
Input device
106
110
Bus
Memory
104
116 Database
Storage device
114
Output device
108
120
Output data

FIGURE 2

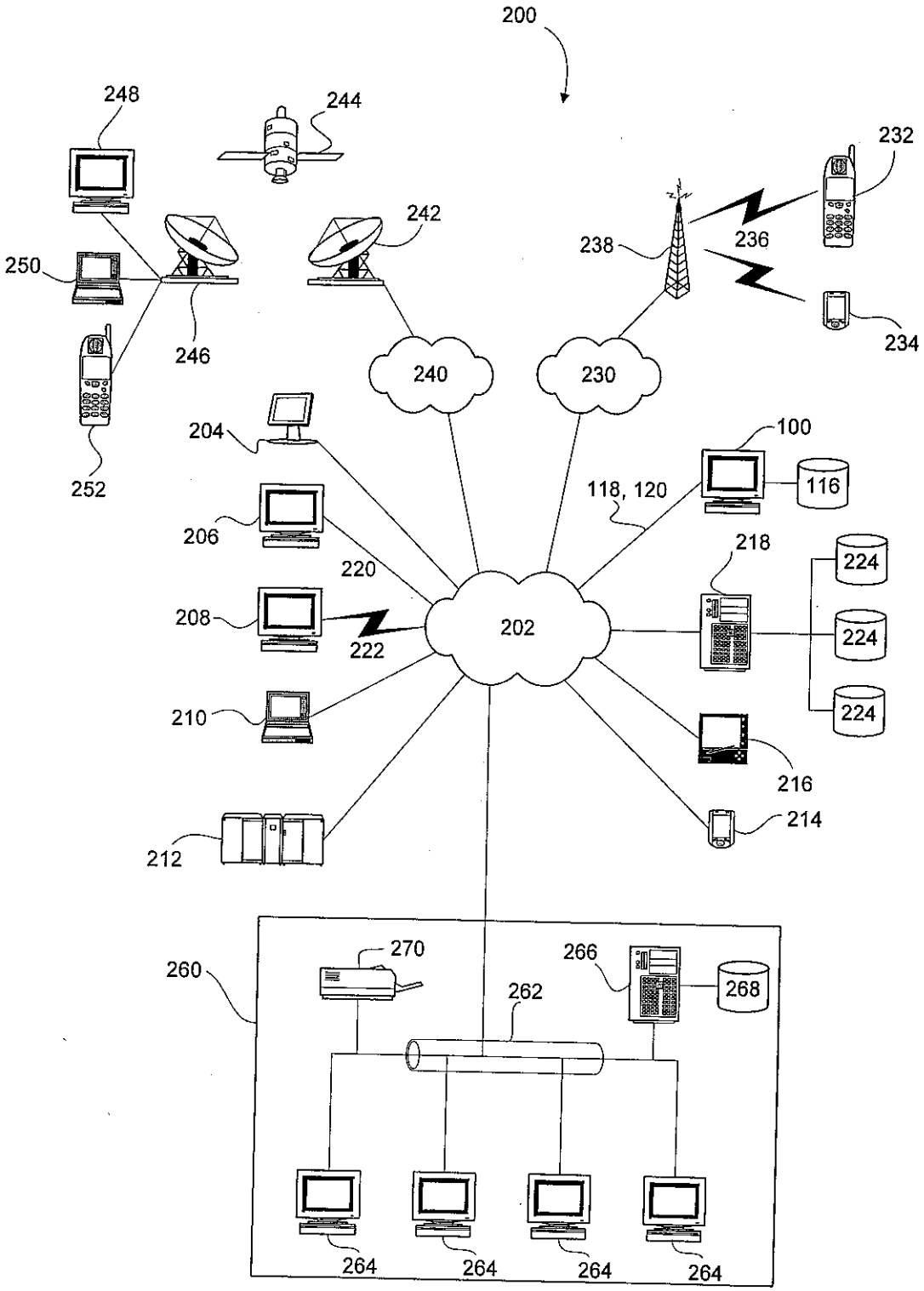

200
248
244
232
242
238
236
250
246
234
240
230
252
204
100
118, 120
116
206
218
220
224
208
222
202
224
224
210
216
214
212
270
266
260
262
268
264
264
264
264

FIGURE 3

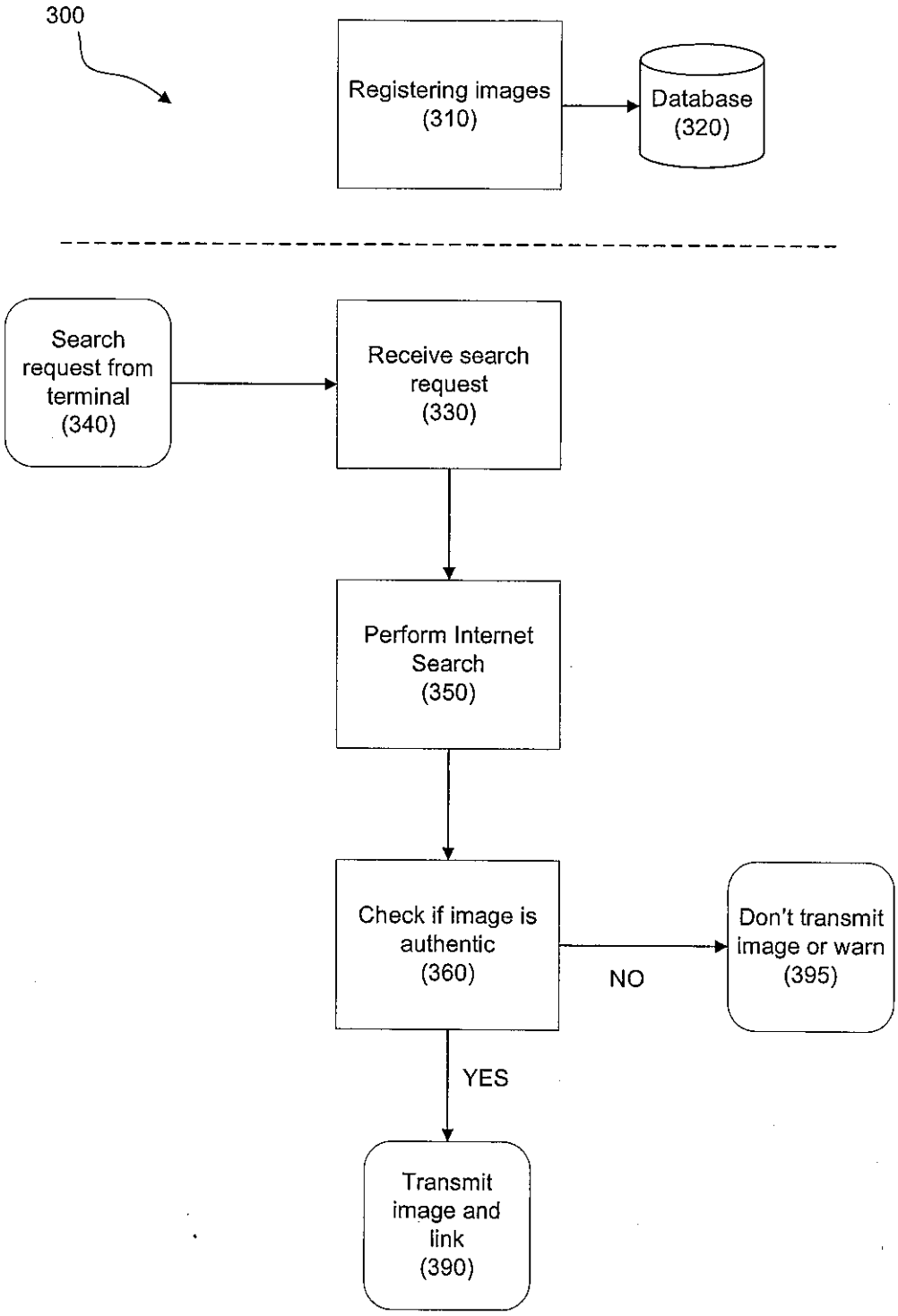

300
Registering images (310)
Database (320)
Search request from terminal (340)
Receive search request (330)
Perform Internet Search (350)
Check if image is authentic (360)
NO
Don't transmit image or warn (395)
YES
Transmit image and link (390)

FIGURE 4

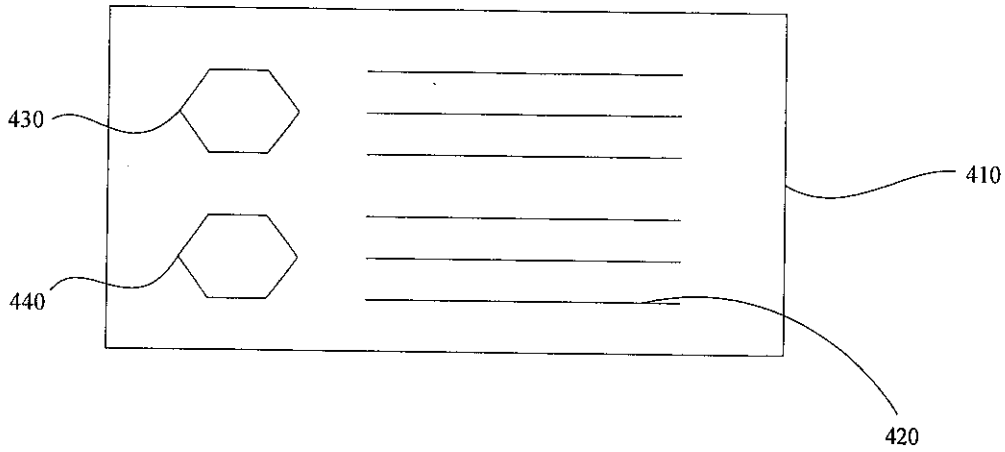


FIGURE 5

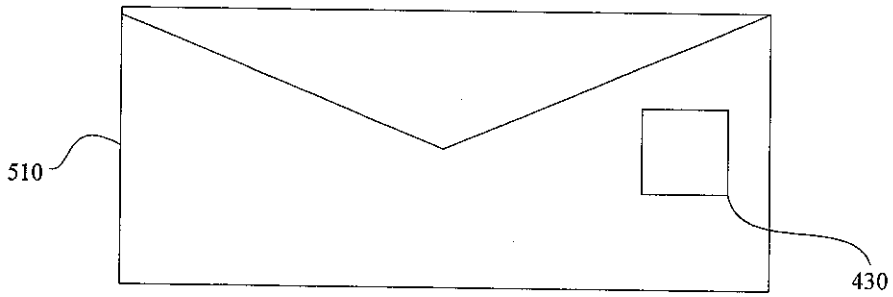


FIGURE 6

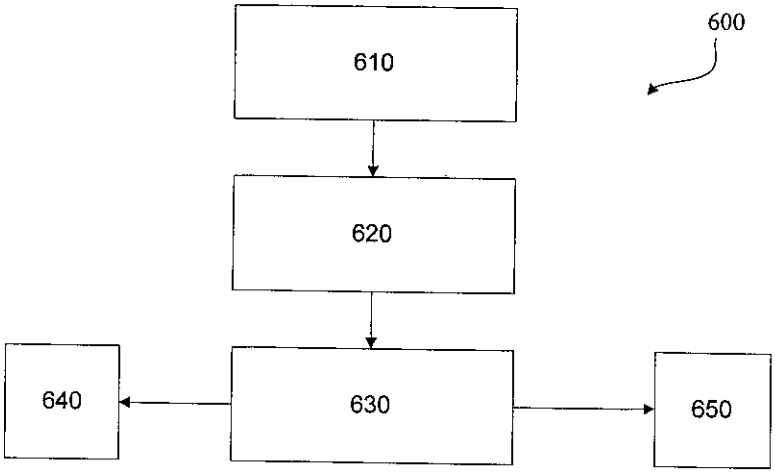


FIGURE 7

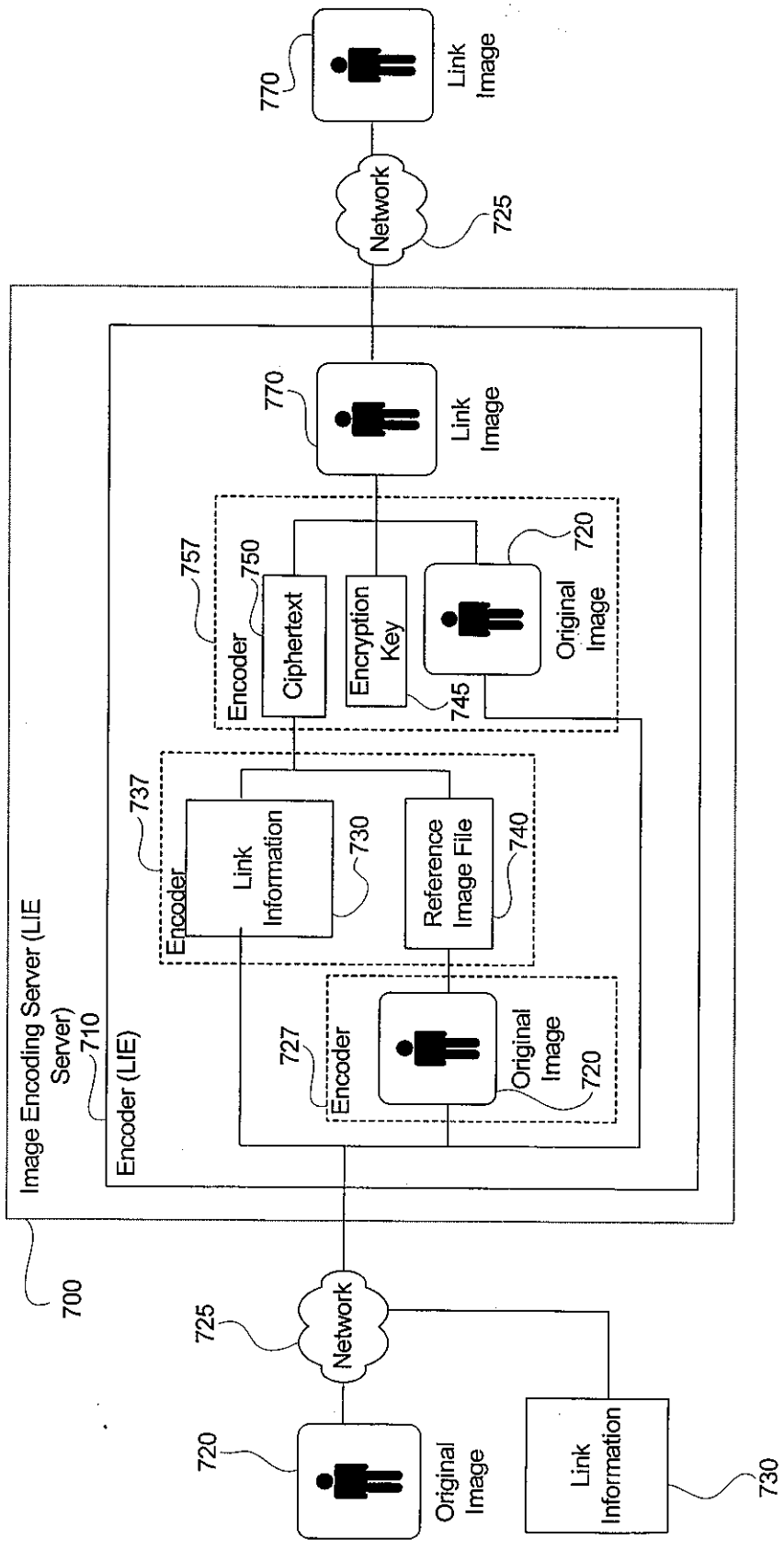
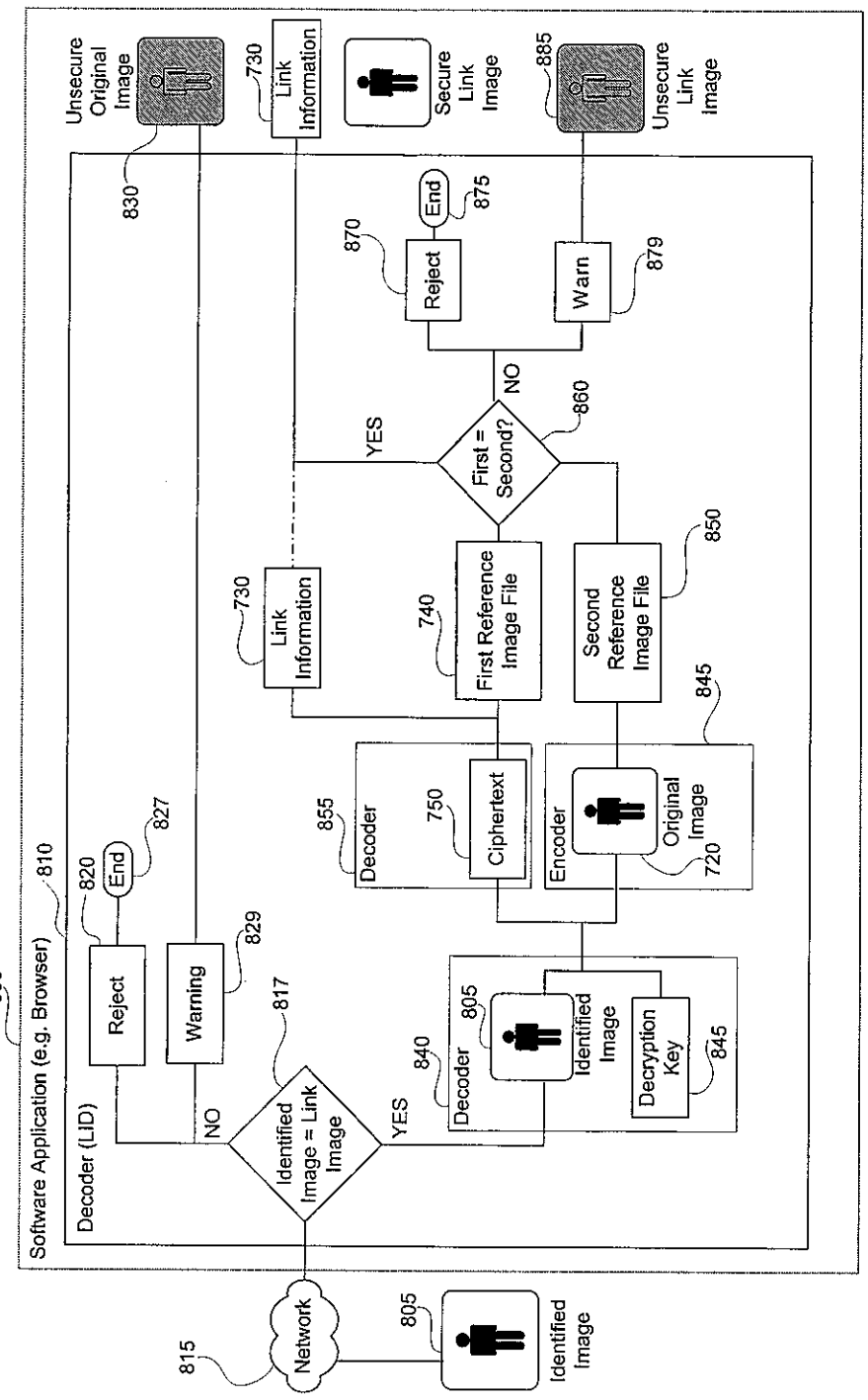


Image Encoding Server (LIE Server)
700
Encoder (LIE)
710
Encoder
737
Link Information
730
Reference Image File
740
Encoder
727
Original Image
720
Encoder
757
Ciphertext
750
Encryption Key
745
Original Image
720
Link Image
770
Network
725
Link Image
770
Network
725
Original Image
720
Link Information
730

FIGURE 8


800
Software Application (e.g. Browser)
810
Decoder (LID)
Unsecure Original Image
830
730
Link Information
Secure Link Image
885
Unsecure Link Image
820
End
827
Reject
829
Warning
817
Identified Image = Link Image
NO
YES
840
Decoder
805
Identified Image
Decryption Key
845
855
Decoder
750
Ciphertext
740
First Reference Image File
730
Link Information
First = Second?
860
YES
NO
870
Reject
End
875
Warn
879
850
Second Reference Image File
845
Encoder
Original Image
720
815
Network
805
Identified Image