G00002

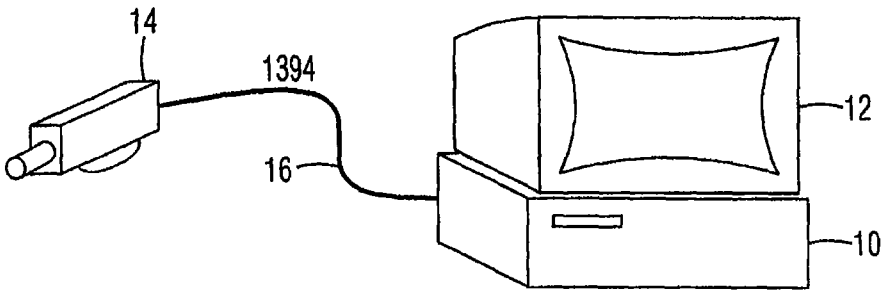


Fig. 1

163163

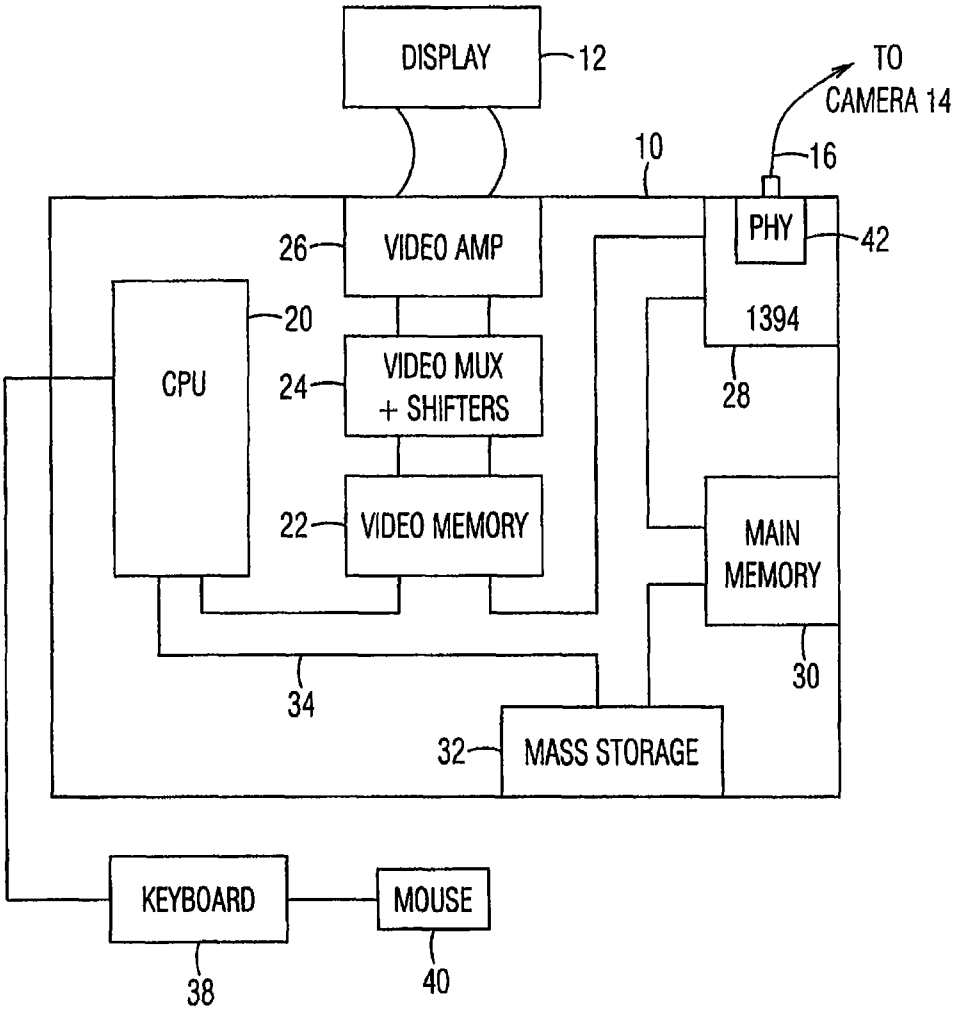

DISPLAY
12
TO
CAMERA 14
10
16
PHY
42
26
VIDEO AMP
1394
20
CPU
24
VIDEO MUX
+ SHIFTERS
28
22
VIDEO MEMORY
MAIN
MEMORY
30
34
32
MASS STORAGE
KEYBOARD
MOUSE
38
40

Fig. 2

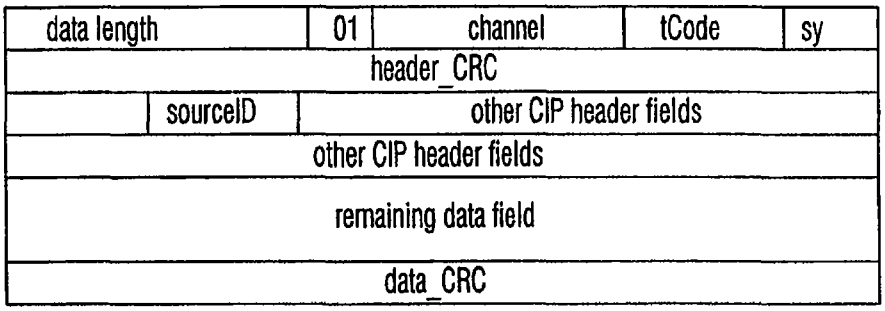

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channel
tCode
sy
header_CRC
sourceID
other CIP header fields
other CIP header fields
remaining data field
data_CRC

Fig. 3

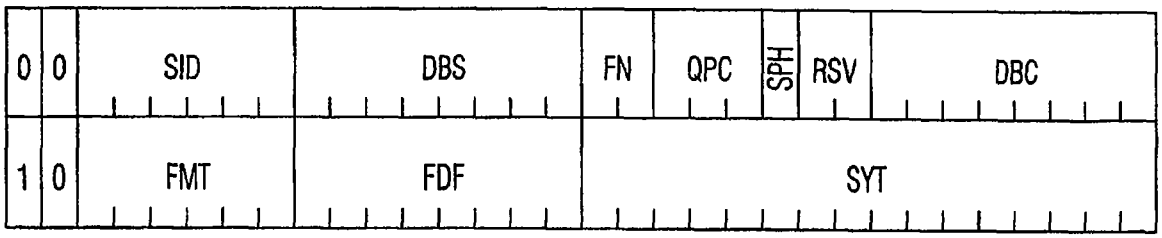


Fig. 4

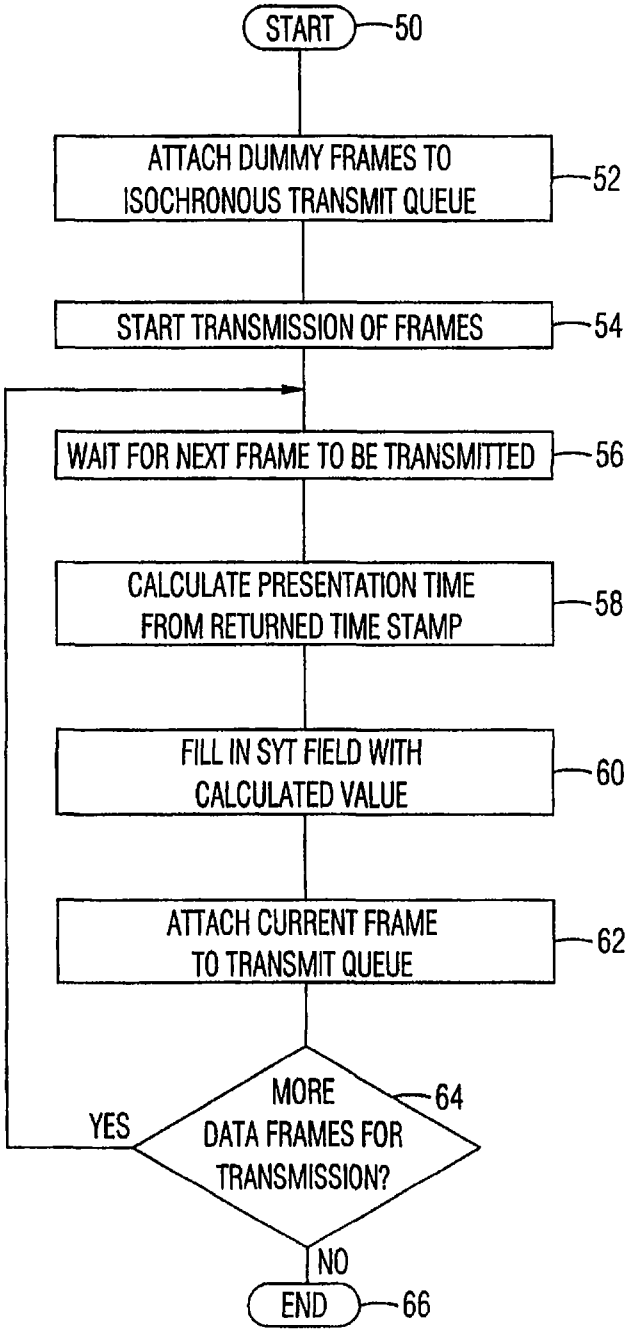

START
50
ATTACH DUMMY FRAMES TO ISOCHRONOUS TRANSMIT QUEUE
52
START TRANSMISSION OF FRAMES
54
WAIT FOR NEXT FRAME TO BE TRANSMITTED
56
CALCULATE PRESENTATION TIME FROM RETURNED TIME STAMP
58
FILL IN SYT FIELD WITH CALCULATED VALUE
60
ATTACH CURRENT FRAME TO TRANSMIT QUEUE
62
MORE DATA FRAMES FOR TRANSMISSION?
64
YES
NO
END
66

Fig. 5

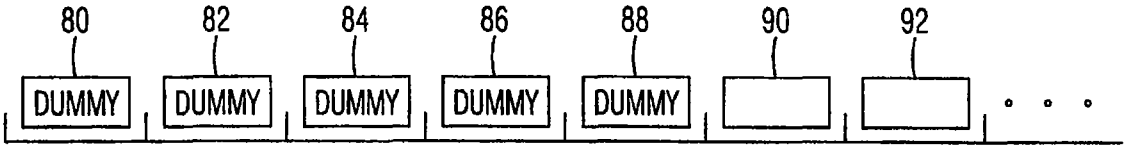


Fig. 6