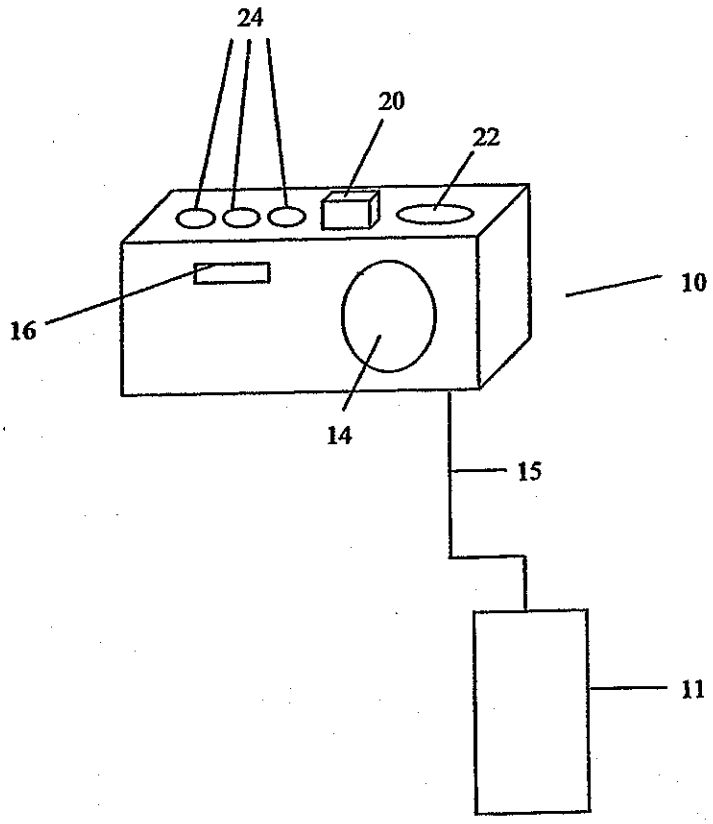


Figure 1

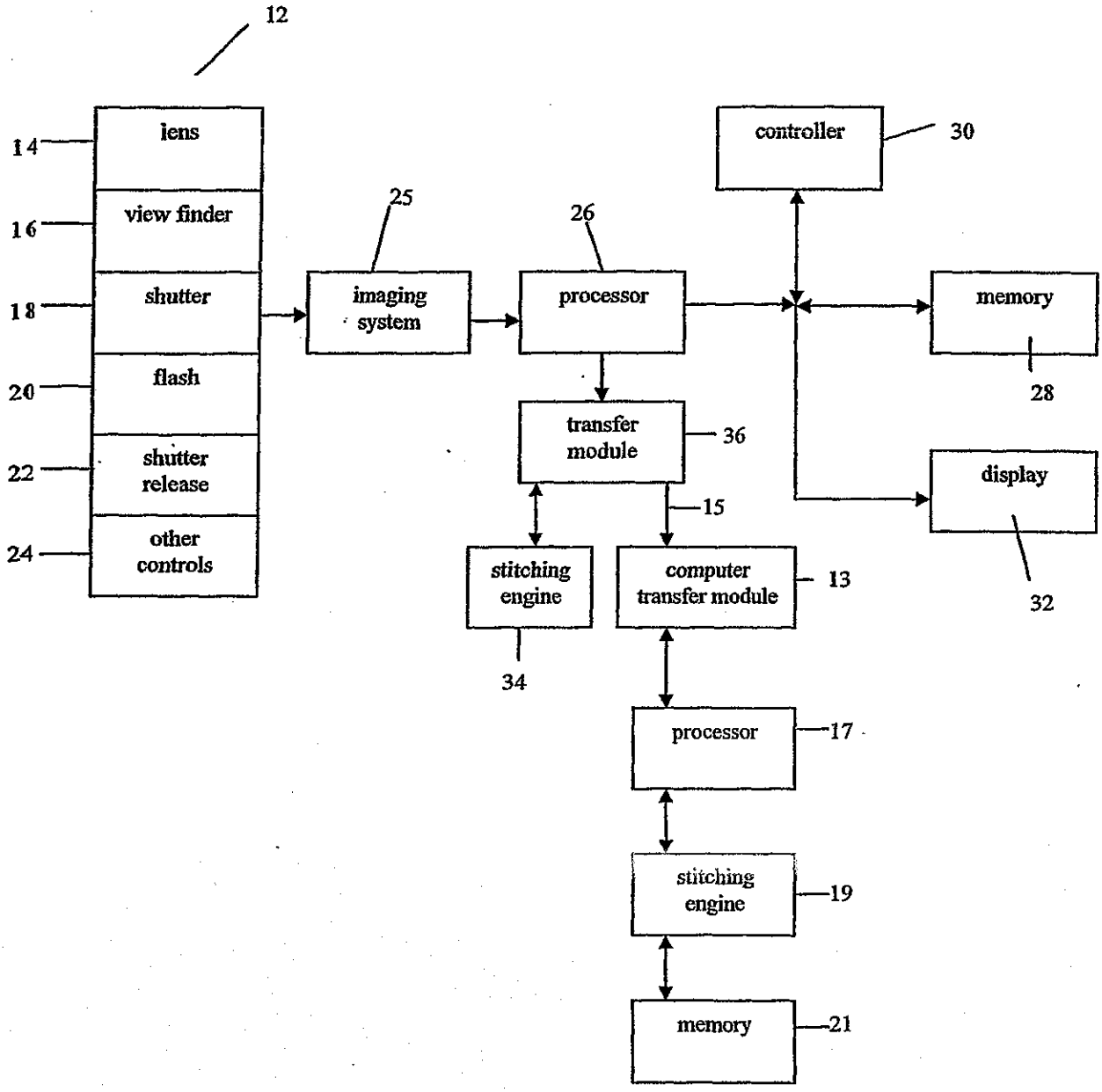

12
14
lens
16
view finder
18
shutter
20
flash
22
shutter release
24
other controls
25
imaging system
26
processor
controller
30
memory
28
transfer module
36
15
display
32
stitching engine
34
computer transfer module
13
processor
17
stitching engine
19
memory
21

Figure 2

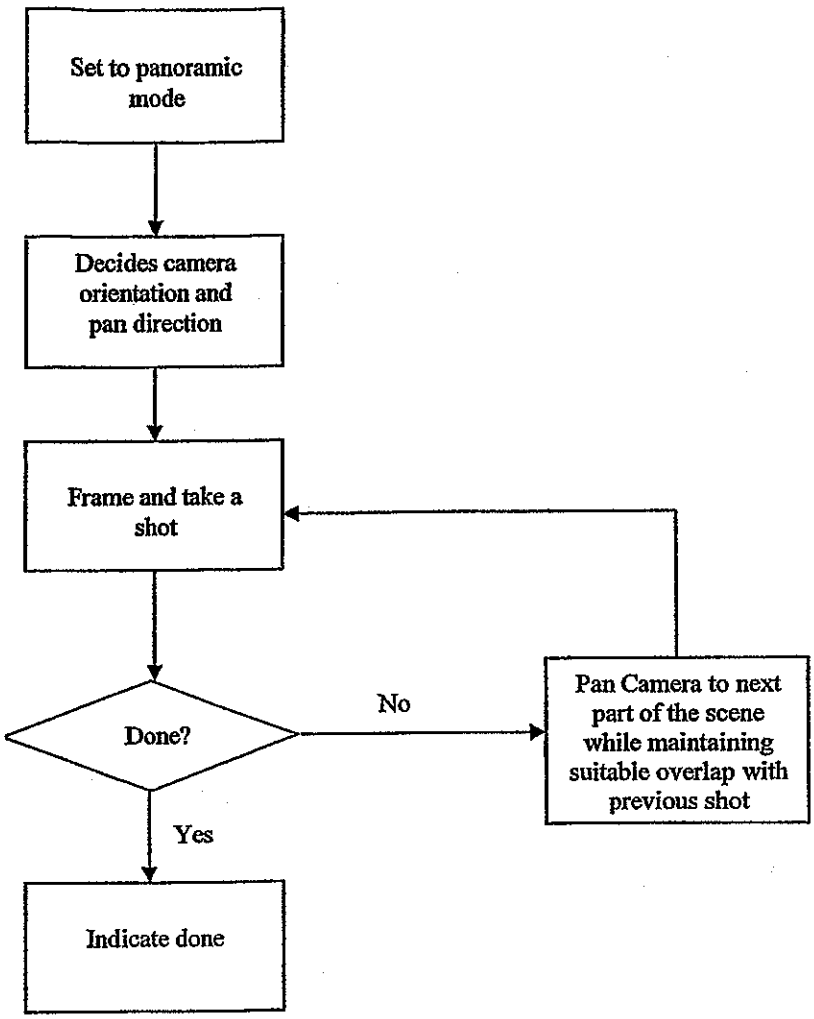


Figure 3
(Prior Art)

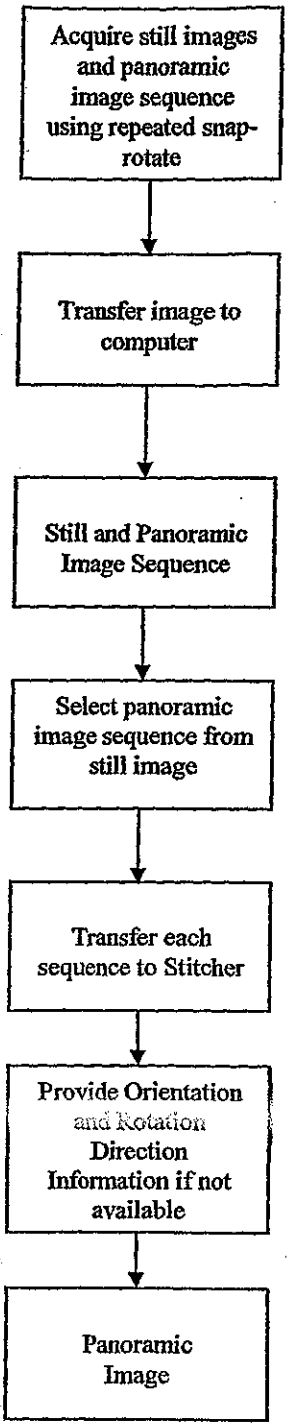


Figure 4
(Prior Art)

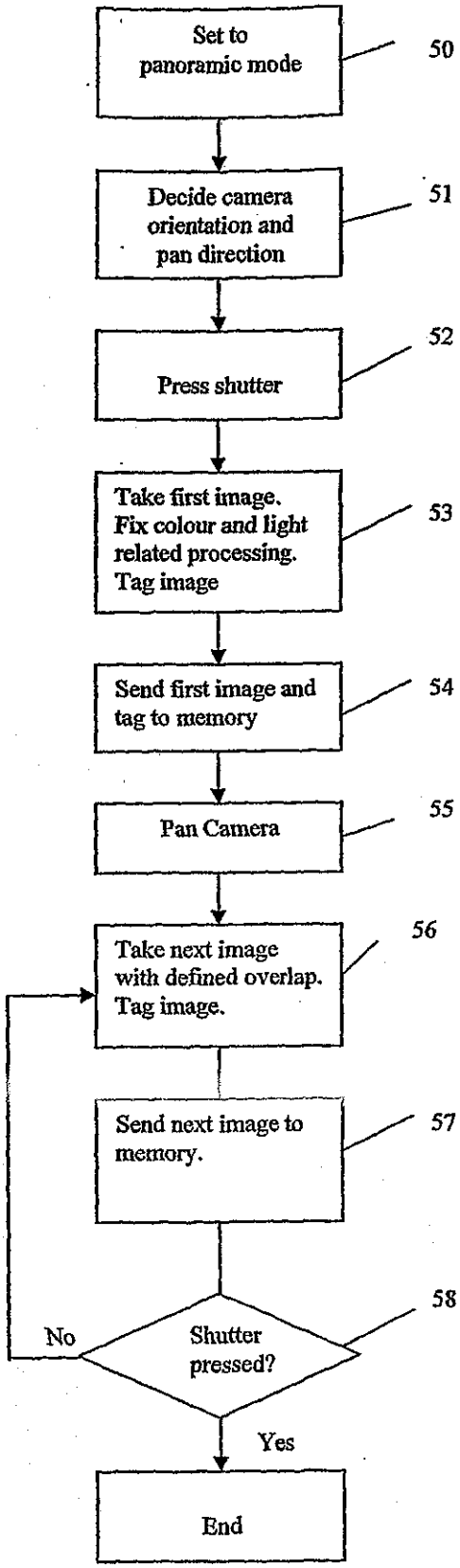

Set to panoramic mode
50
Decide camera orientation and pan direction
51
Press shutter
52
Take first image. Fix colour and light related processing. Tag image
53
Send first image and tag to memory
54
Pan Camera
55
Take next image with defined overlap. Tag image.
56
Send next image to memory.
57
Shutter pressed?
58
No
Yes
End

Figure 5

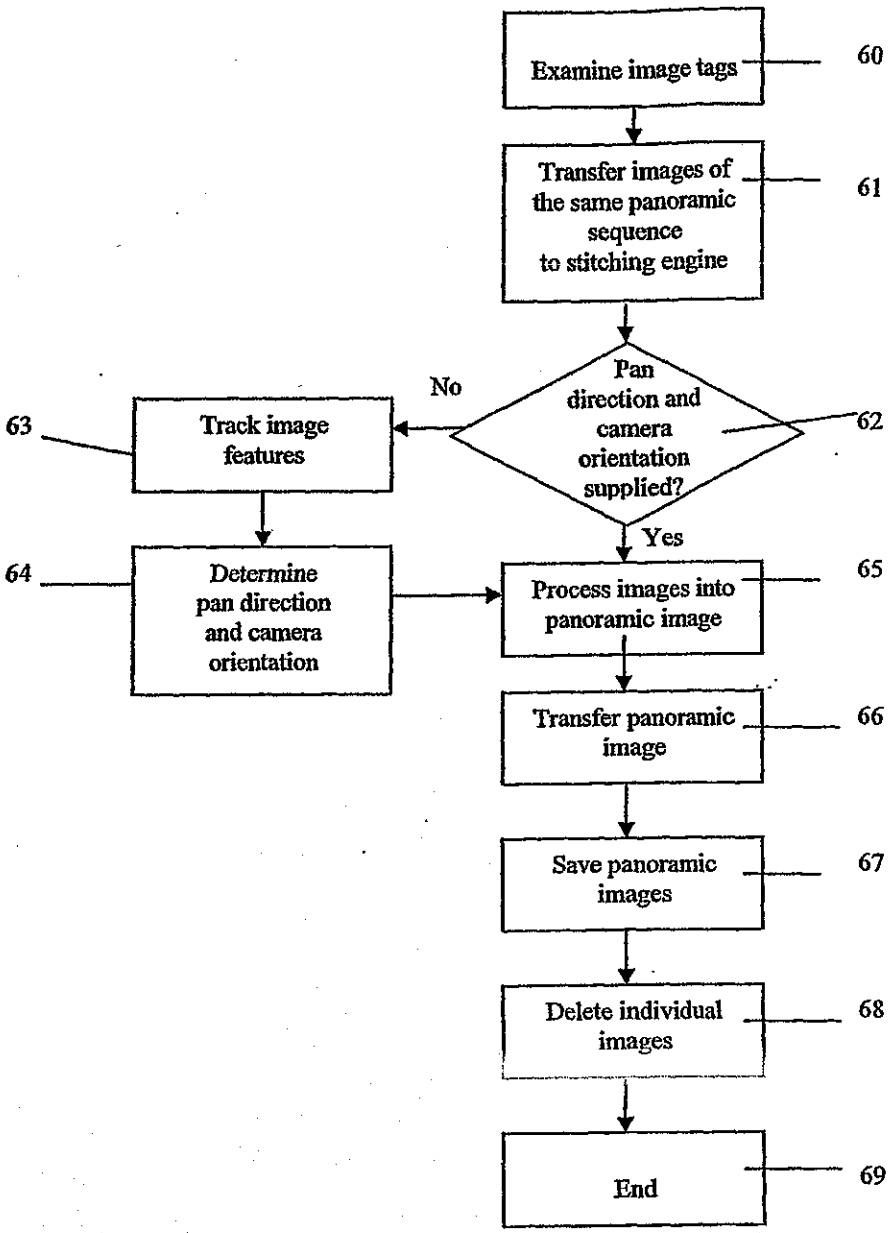

Examine image tags
60
Transfer images of the same panoramic sequence to stitching engine
61
Pan direction and camera orientation supplied?
62
No
Yes
63
Track image features
64
Determine pan direction and camera orientation
Process images into panoramic image
65
Transfer panoramic image
66
Save panoramic images
67
Delete individual images
68
End
69

Figure 6