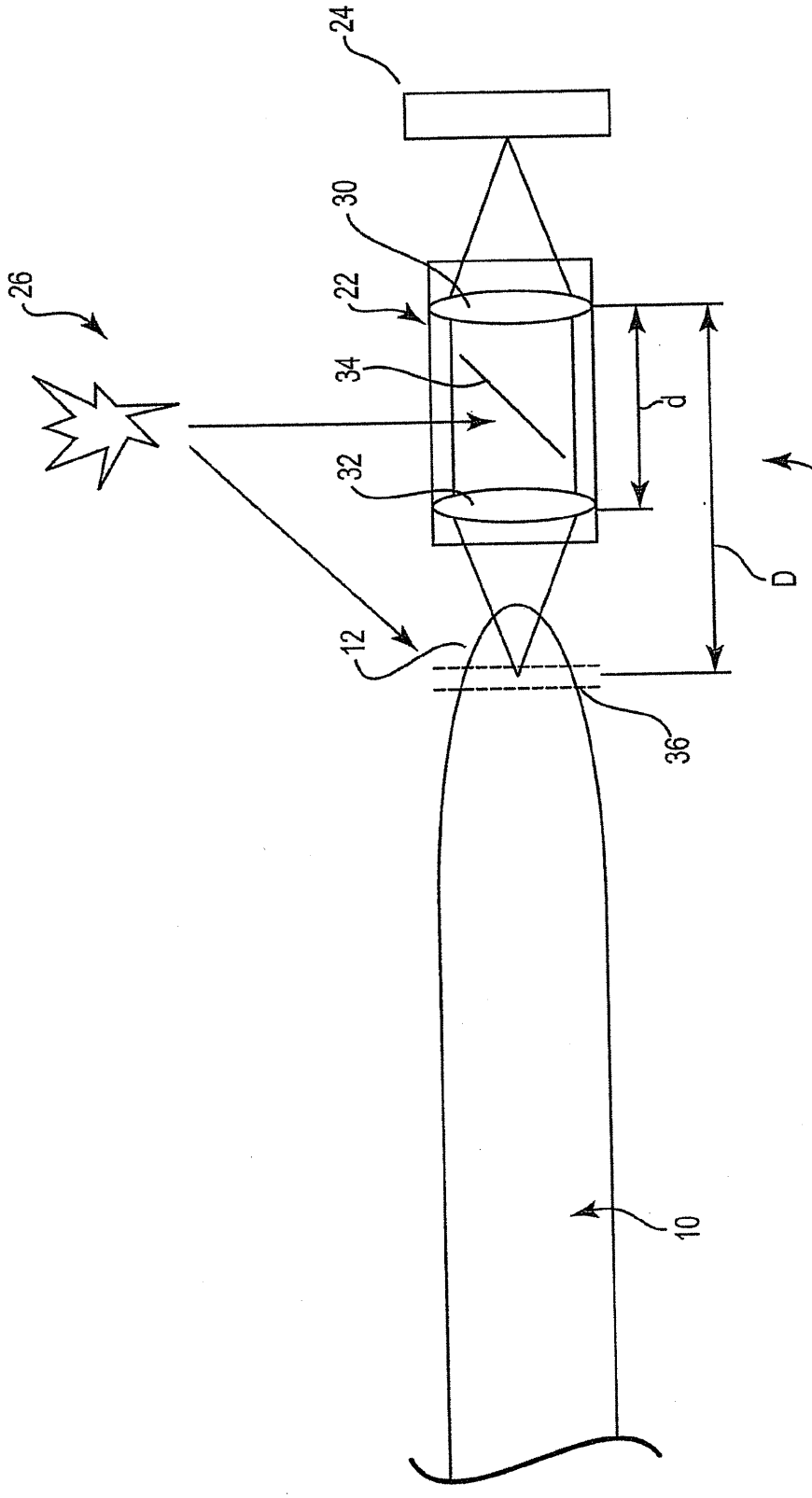


Fig. 1

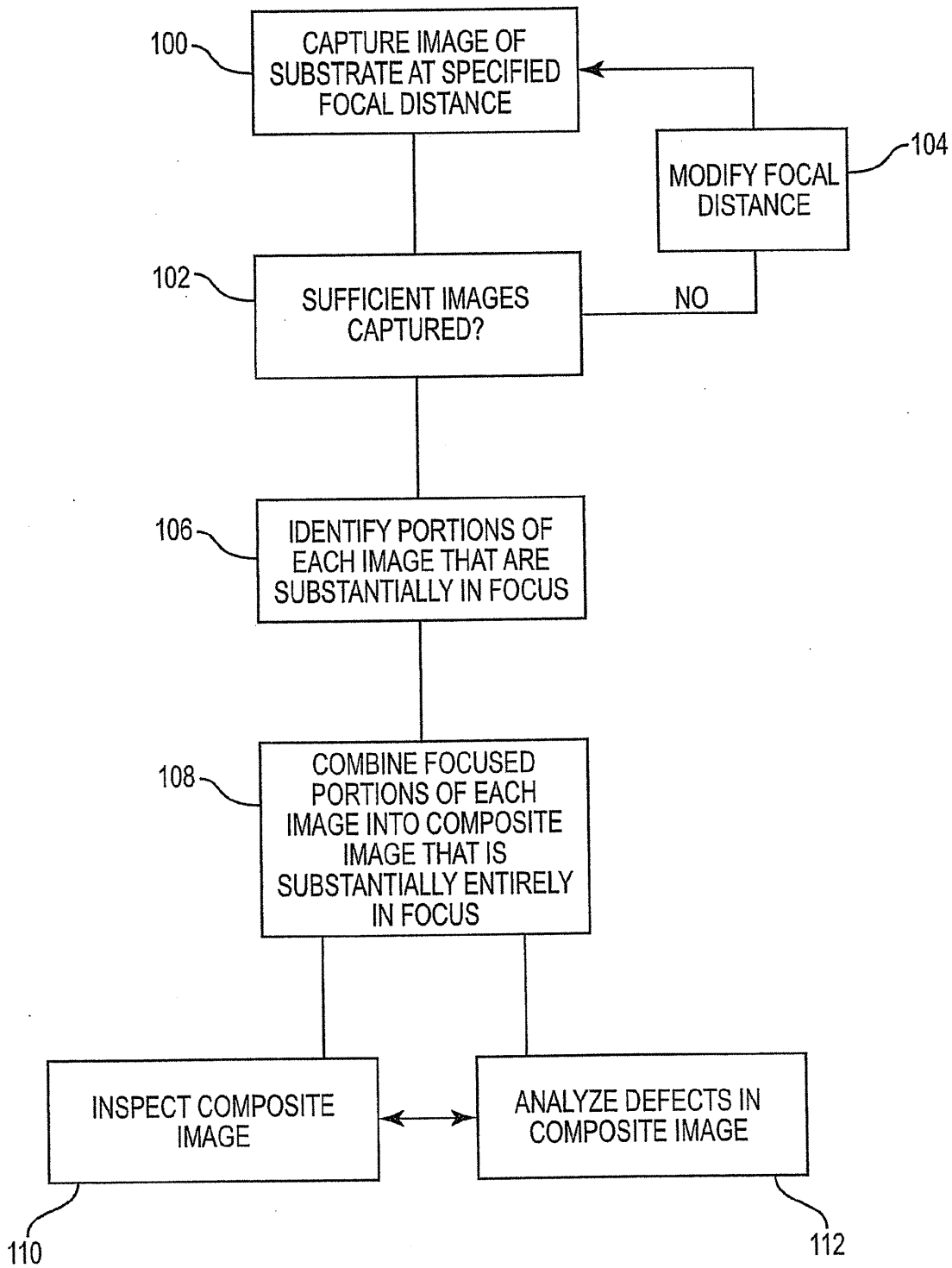

100
CAPTURE IMAGE OF SUBSTRATE AT SPECIFIED FOCAL DISTANCE
MODIFY FOCAL DISTANCE
104
102
SUFFICIENT IMAGES CAPTURED?
NO
106
IDENTIFY PORTIONS OF EACH IMAGE THAT ARE SUBSTANTIALLY IN FOCUS
108
COMBINE FOCUSED PORTIONS OF EACH IMAGE INTO COMPOSITE IMAGE THAT IS SUBSTANTIALLY ENTIRELY IN FOCUS
INSPECT COMPOSITE IMAGE
ANALYZE DEFECTS IN COMPOSITE IMAGE
110
112

Fig. 2

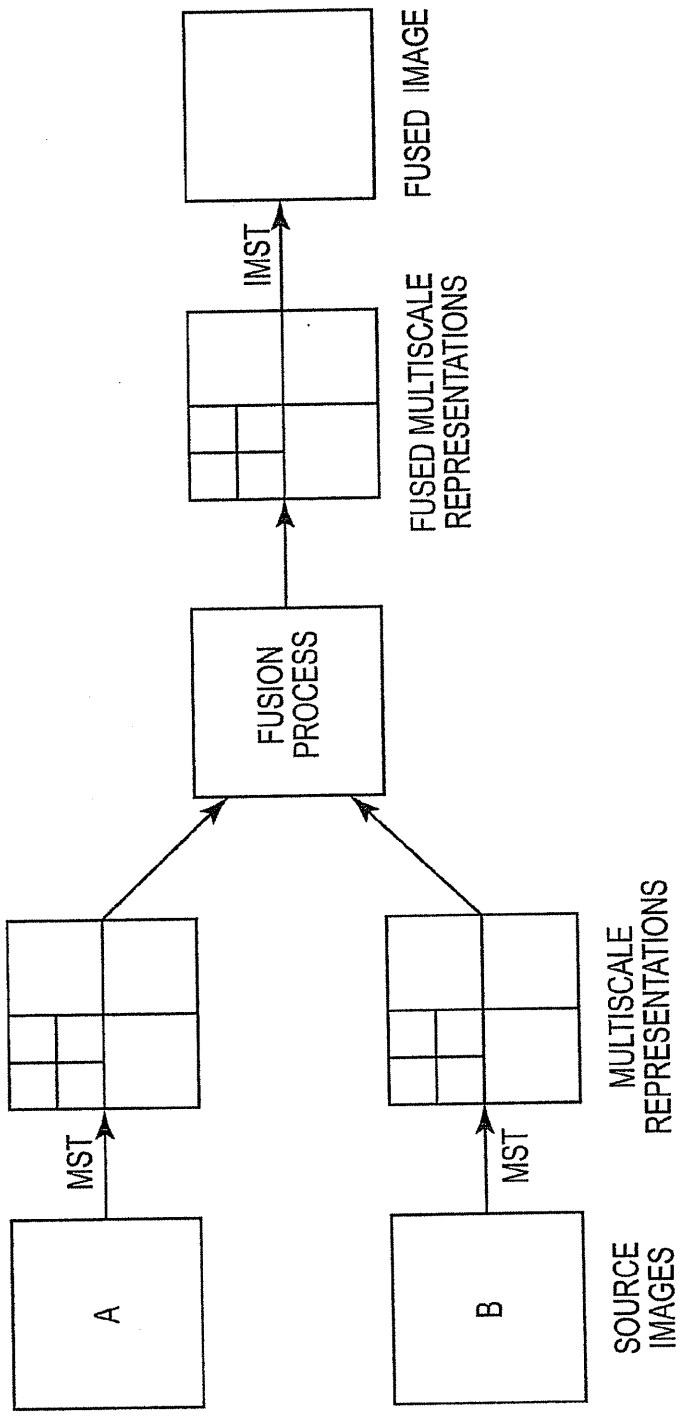

A
B
SOURCE IMAGES
MST
MST
MULTISCALE REPRESENTATIONS
FUSION PROCESS
FUSED MULTISCALE REPRESENTATIONS
IMST
FUSED IMAGE

Fig. 3

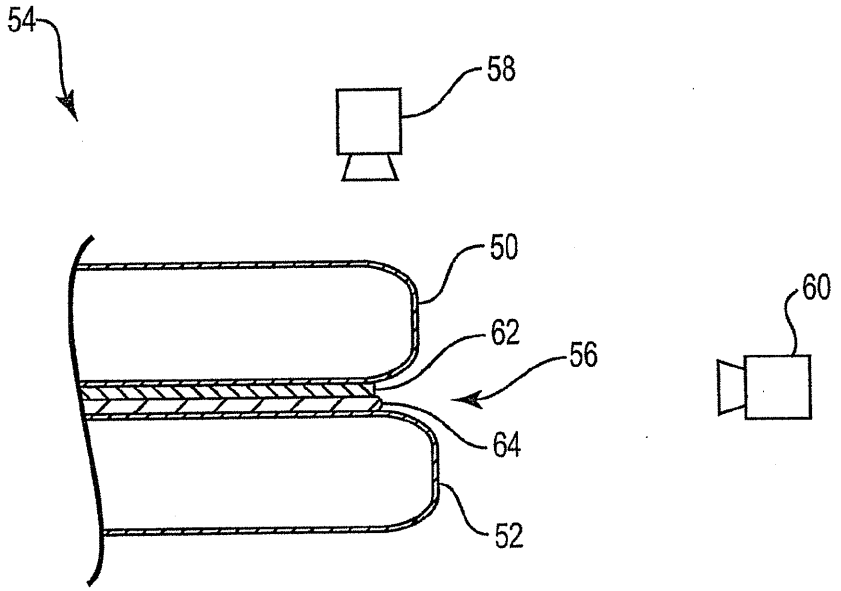


Fig. 4

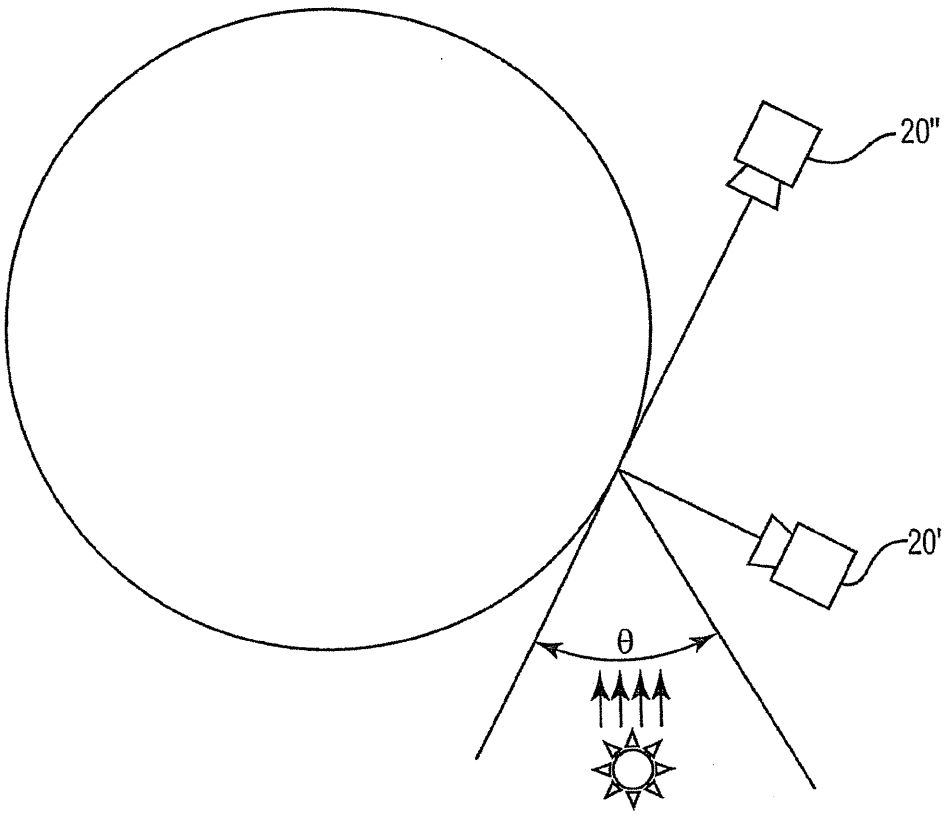


Fig. 5