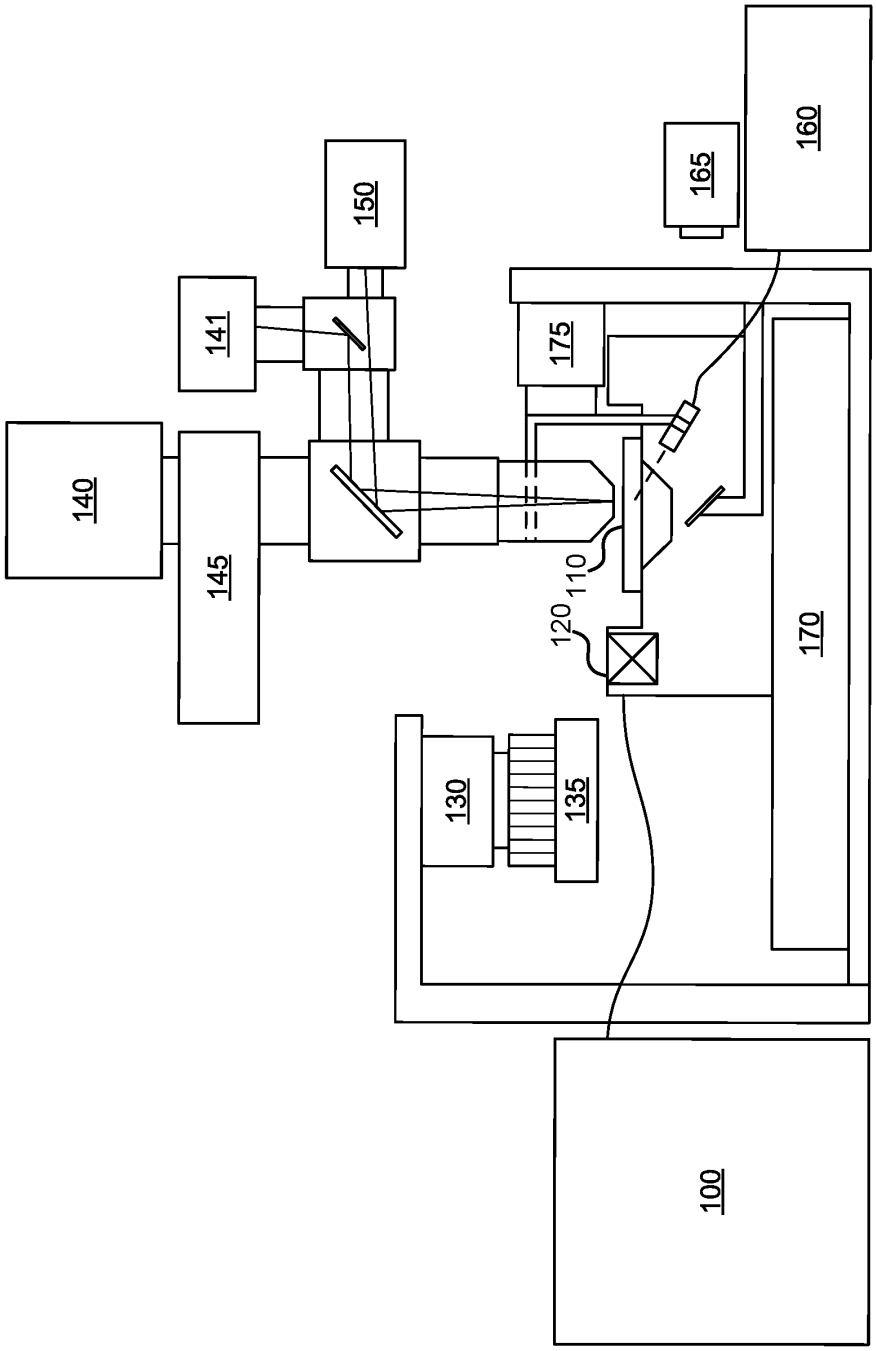


Fig. 1

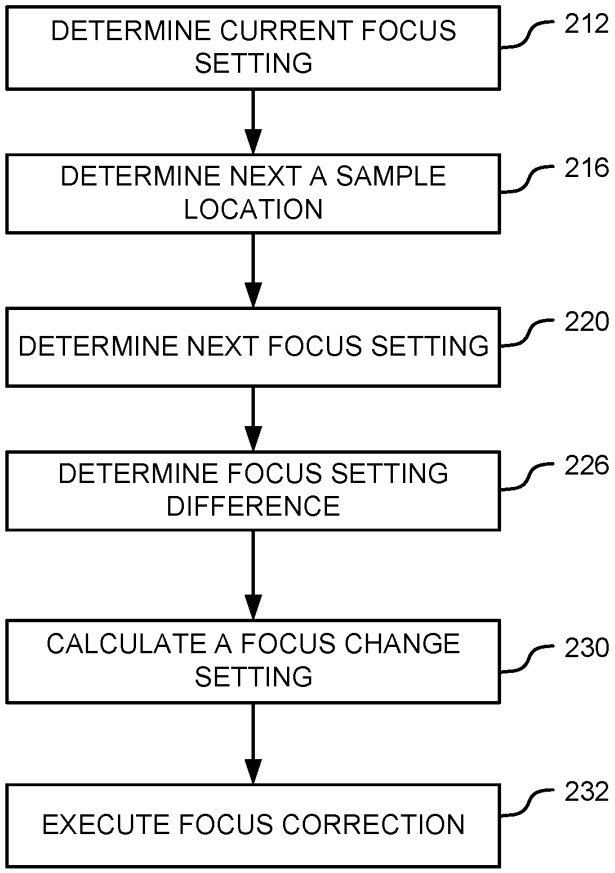

DETERMINE CURRENT FOCUS SETTING
212
DETERMINE NEXT A SAMPLE LOCATION
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DETERMINE NEXT FOCUS SETTING
220
DETERMINE FOCUS SETTING DIFFERENCE
226
CALCULATE A FOCUS CHANGE SETTING
230
EXECUTE FOCUS CORRECTION
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Fig. 2

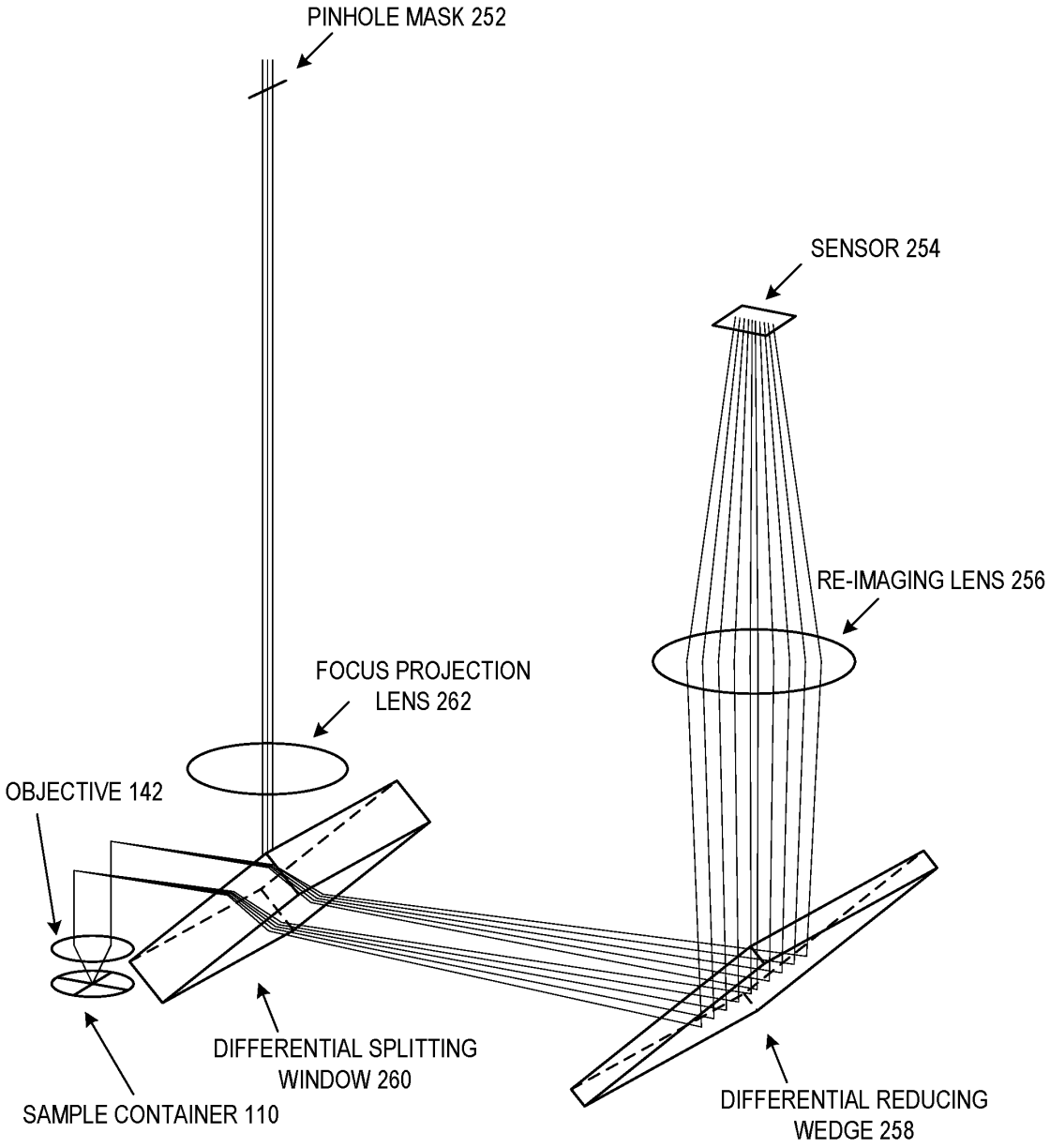

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Fig. 3

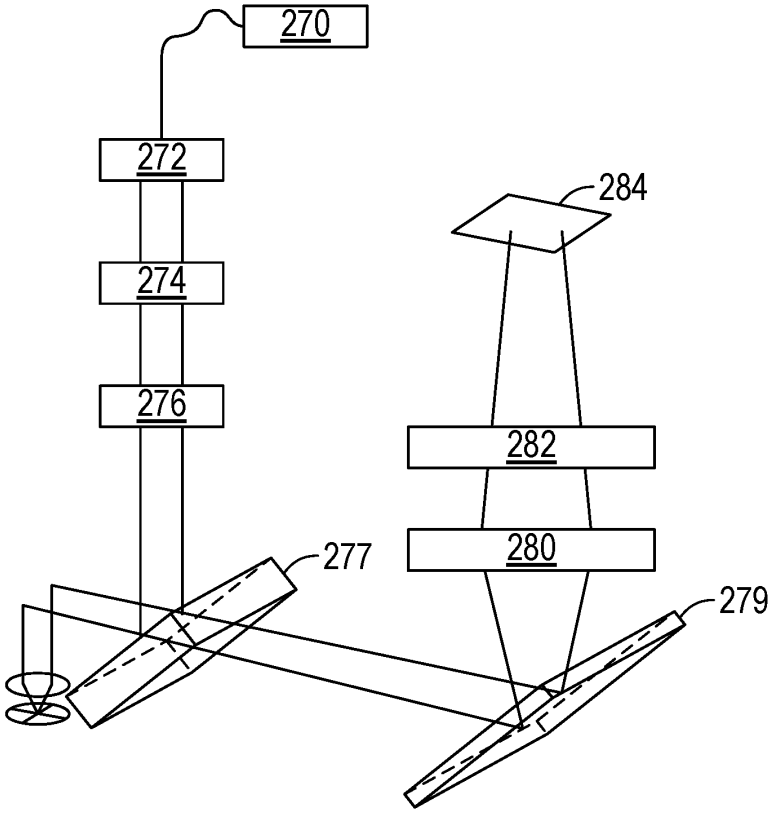


Fig. 4A

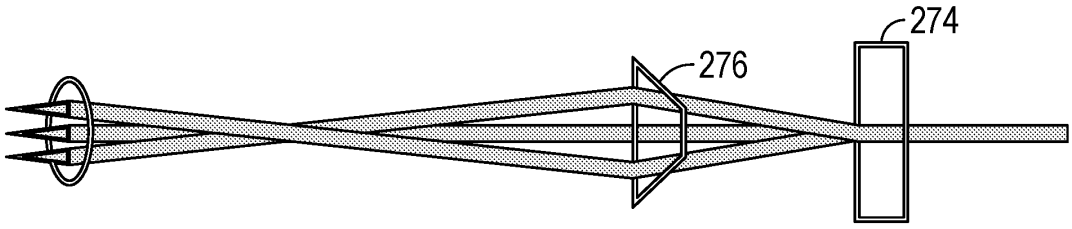


Fig. 4B

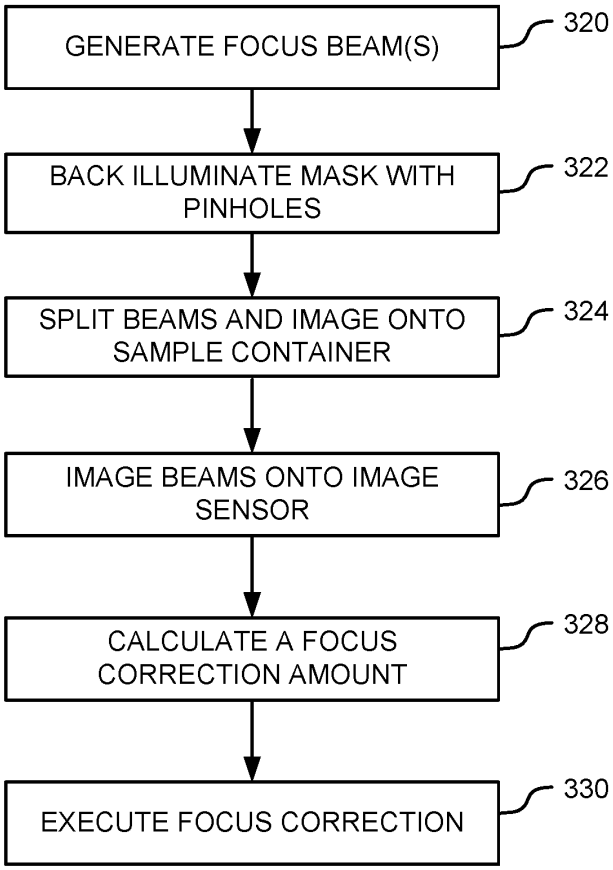

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324
IMAGE BEAMS ONTO IMAGE SENSOR
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CALCULATE A FOCUS CORRECTION AMOUNT
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EXECUTE FOCUS CORRECTION
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Fig. 5

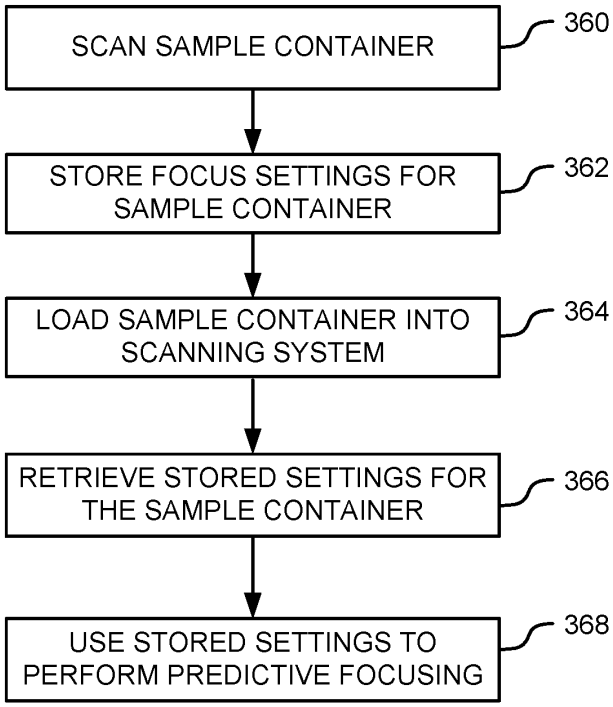

SCAN SAMPLE CONTAINER
360
STORE FOCUS SETTINGS FOR SAMPLE CONTAINER
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Fig. 6

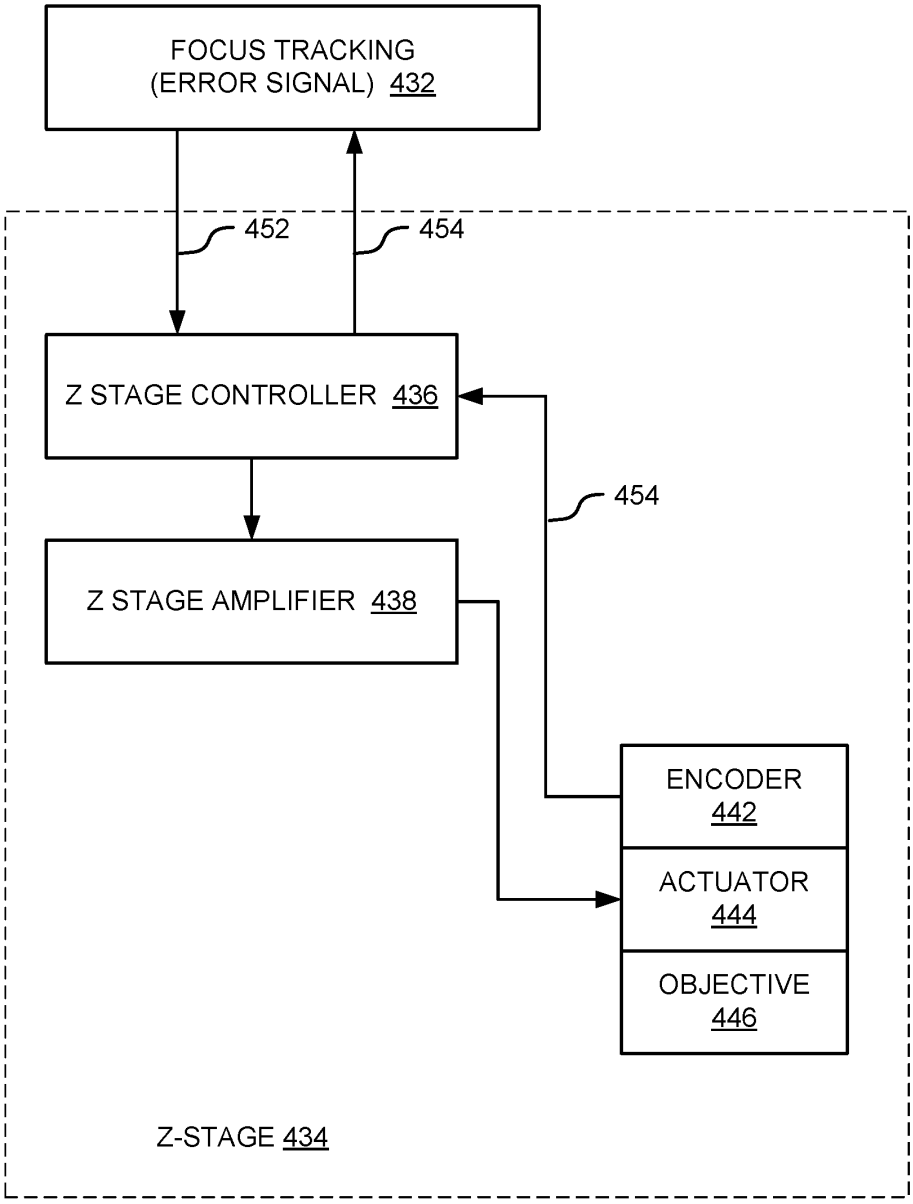

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Fig. 7

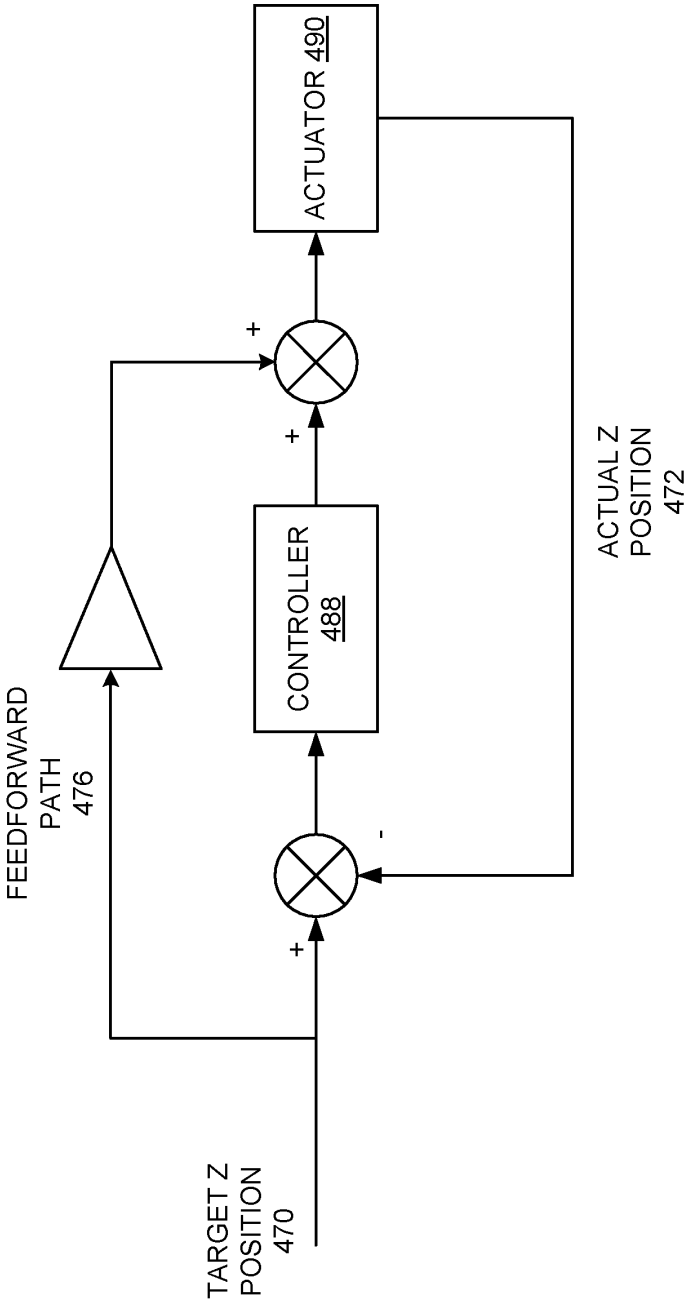

ACTUATOR 490
CONTROLLER 488
FEEDFORWARD PATH 476
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ACTUAL Z POSITION 472
+
+
+
-

Fig. 8

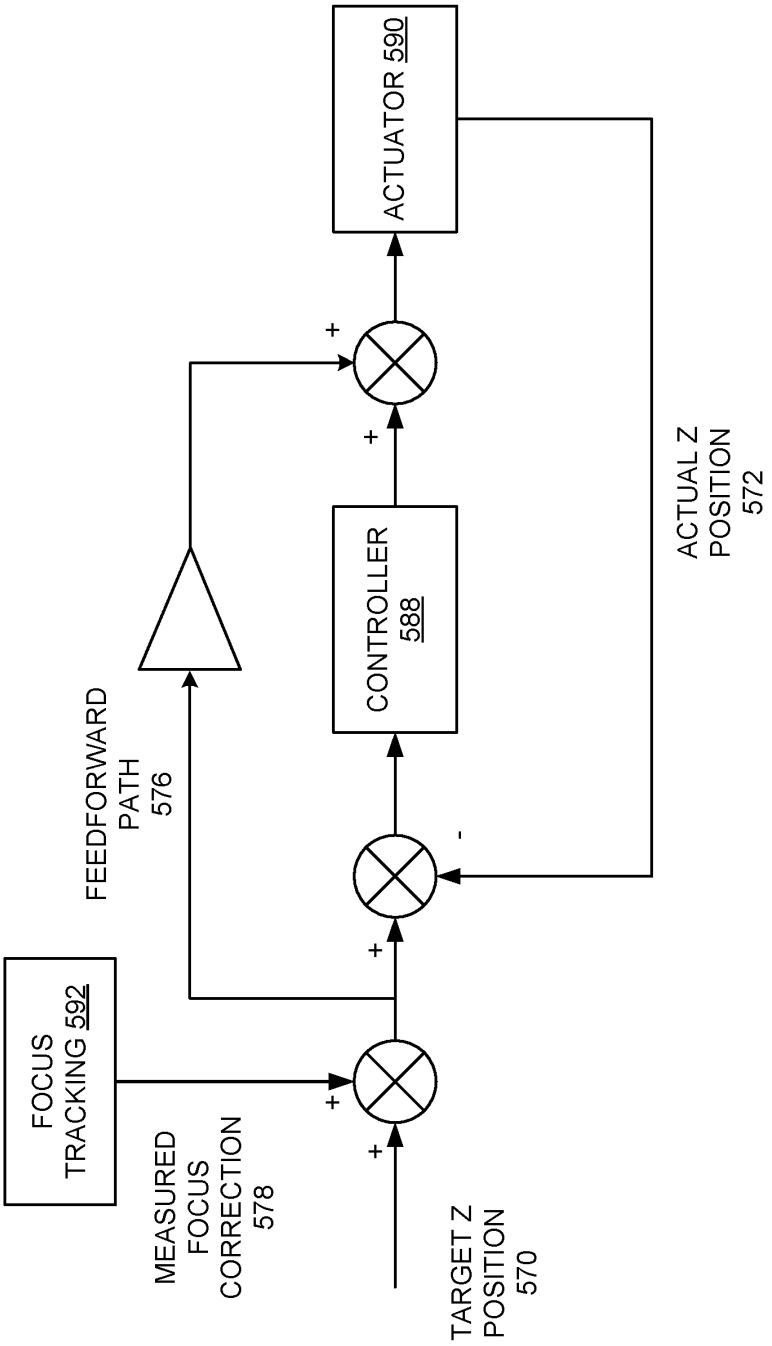

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CONTROLLER 588
FOCUS TRACKING 592
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ACTUAL Z POSITION 572
MEASURED FOCUS CORRECTION 578
TARGET Z POSITION 570
+
+
+
+
+
-

Fig. 9