

FORM 2

THE PATENTS ACT, 1970

(39 of 1970)

&

THE PATENTS RULES, 2003

COMPLETE SPECIFICATION

(See section 10, rule 13)

“IMAGE-DRIVEN VIEW MANAGEMENT FOR ANNOTATIONS”

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The following specification particularly describes the invention and the manner in which it is to be performed.

37. The storage medium of claim 35, wherein the program code to use the saliency map and the edge map to determine the first layout position comprises program code to optimize a layout position of the one or more labels based on one or more factors comprising overlap of a label with a point of interest on the saliency map, overlap of the label with the point of interest on the edge map, a length of a leader line for the label, an orientation of the leader line for the label, and overlap of the label with another label and using one of a greedy algorithm and a force-based algorithm.

38. The storage medium of claim 35, further comprising program code to adjust representation of a label based on a plurality of pixels bounded by an area that is coincident with a layout position for the label.

39. The storage medium of claim 38, wherein the program code to adjust the representation of the label comprises program code to adjust a contrast of at least one component of the label with respect to the plurality of pixels bounded by the area that is coincident with the layout position for the label, the at least one component of the label comprising a leader line, an anchor point, and background surrounding text.

40. The storage medium of claim 35, further comprising program code to determine a distance from the camera to a point of interest being labeled, and program code to adjust a representation of an anchor point based on the distance.

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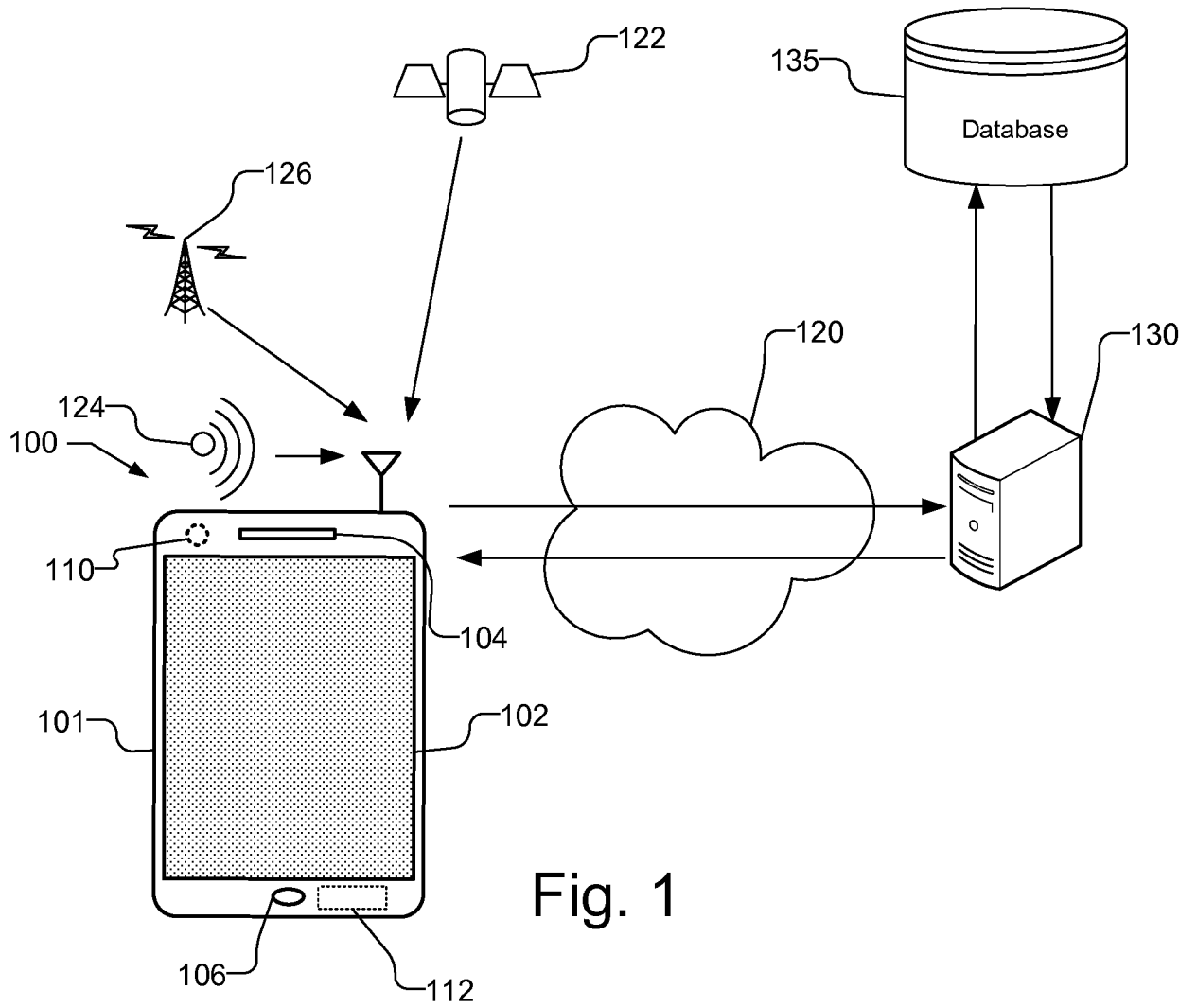


Fig. 1

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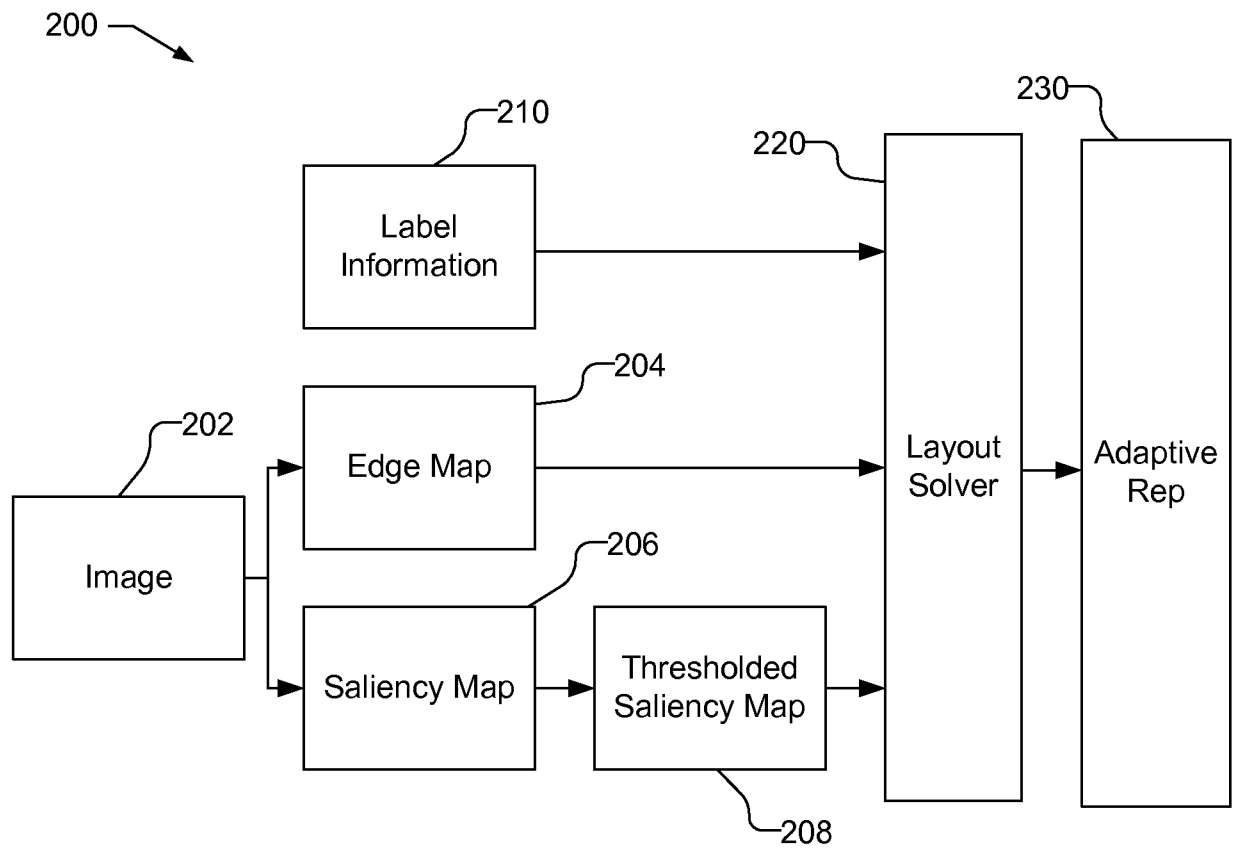


Fig. 2

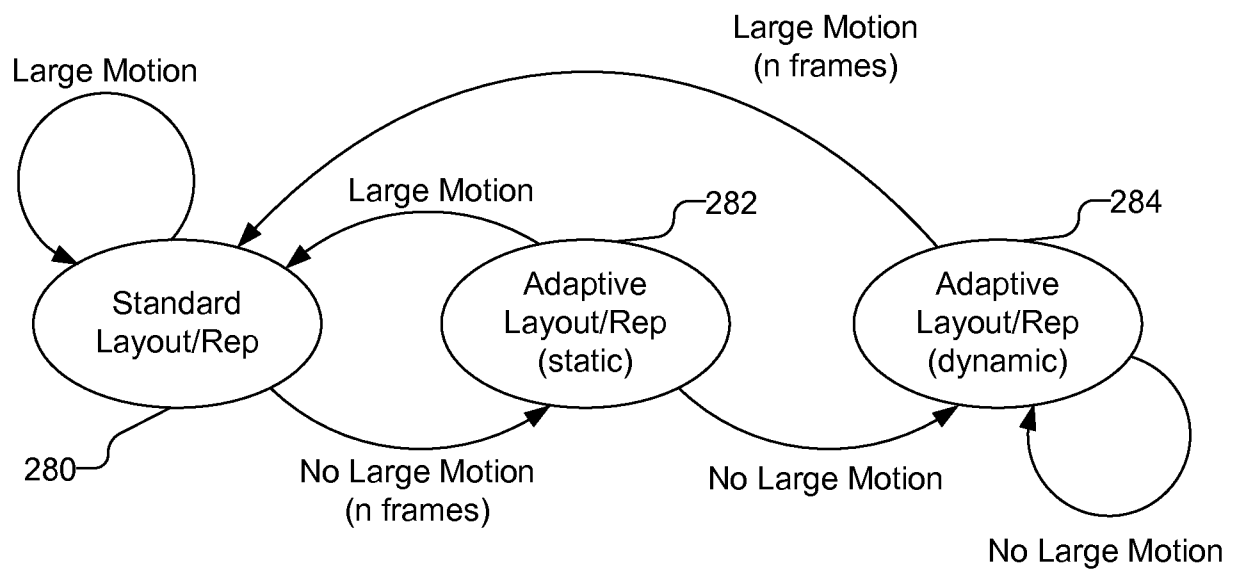


Fig. 6

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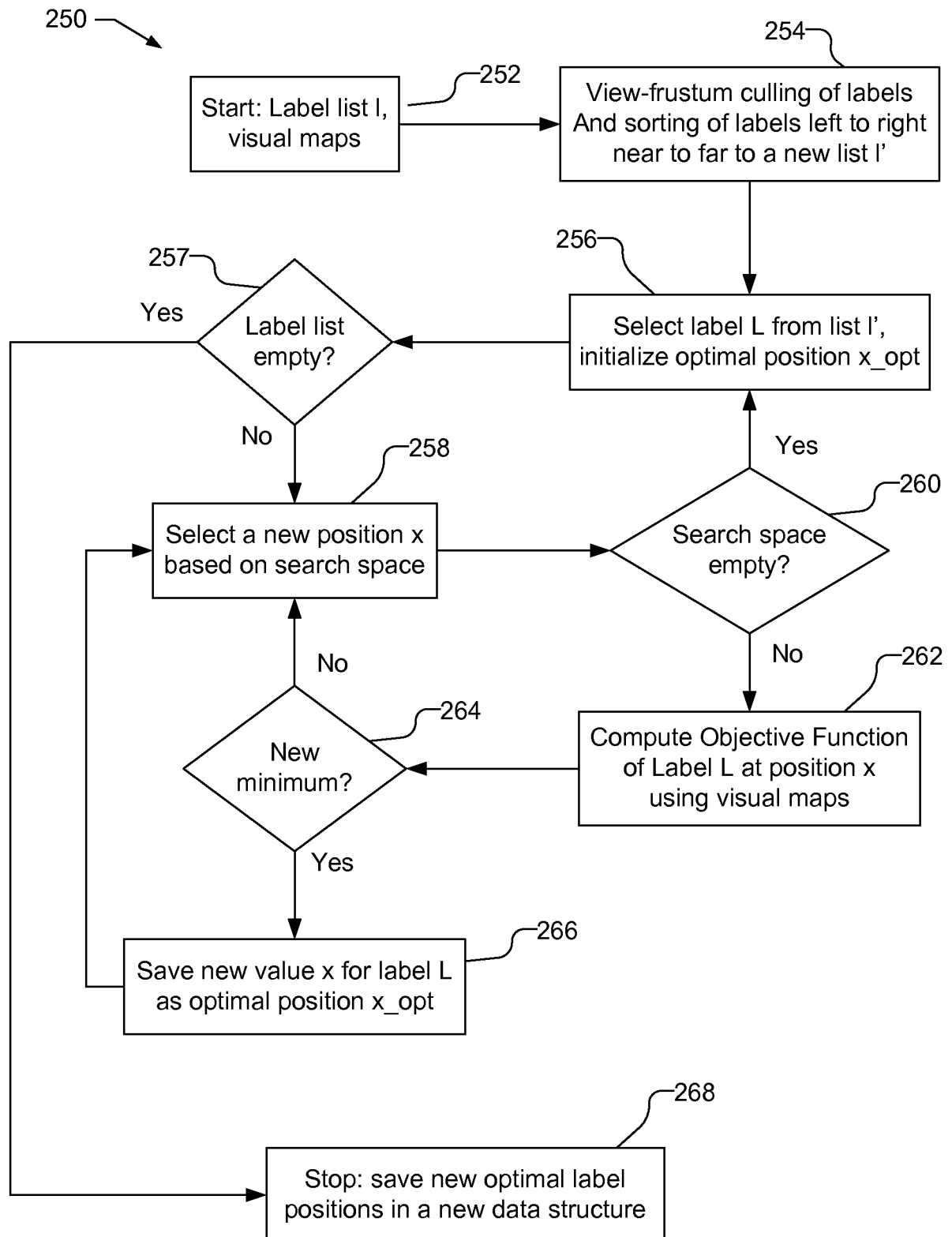


Fig. 3

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Fig. 4

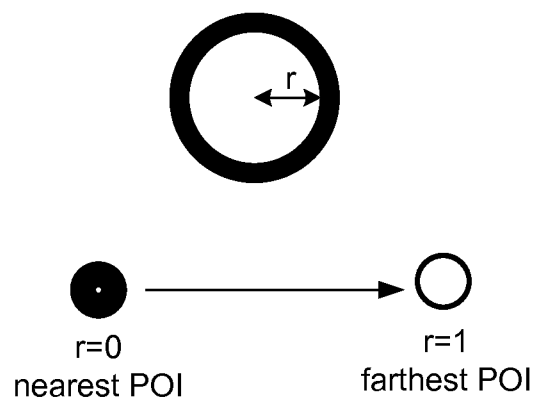


Fig. 5

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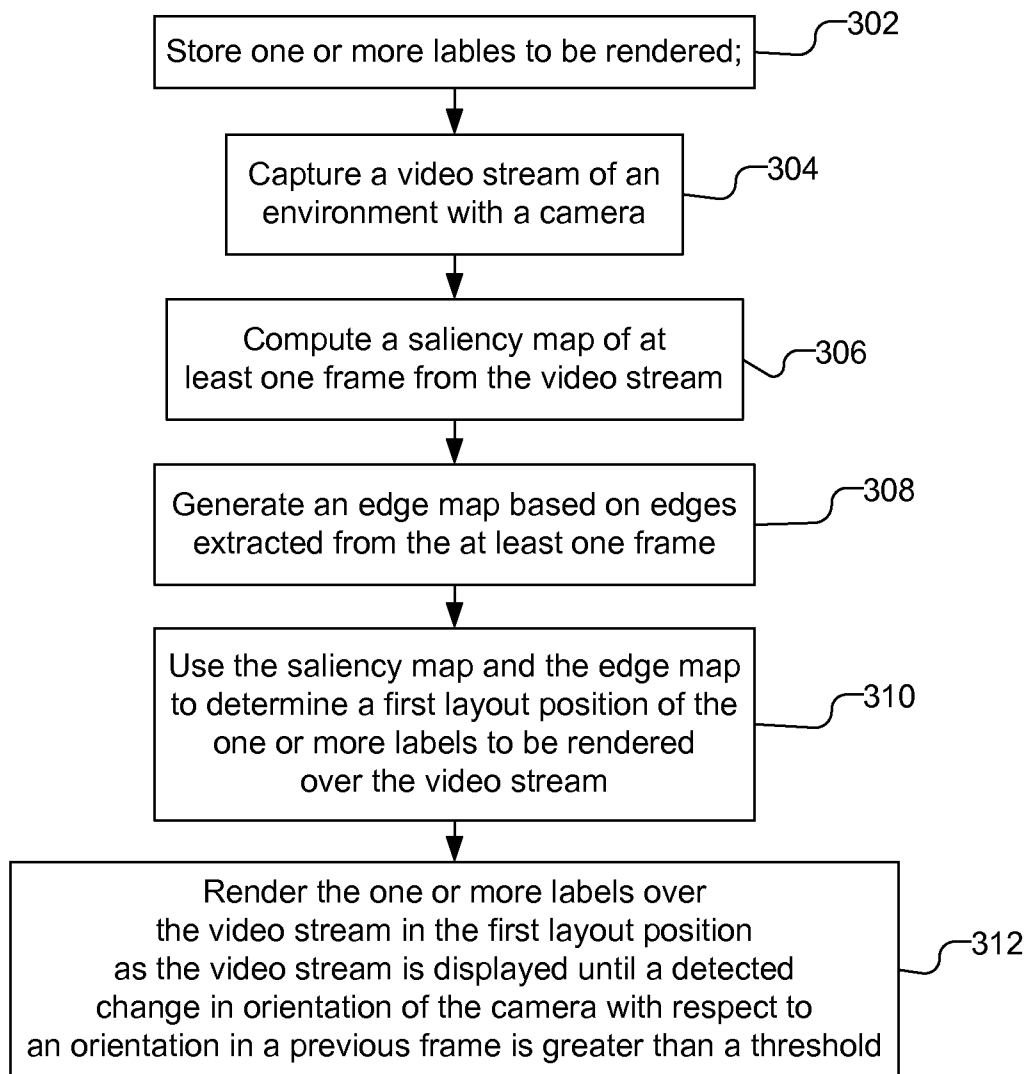


Fig. 7

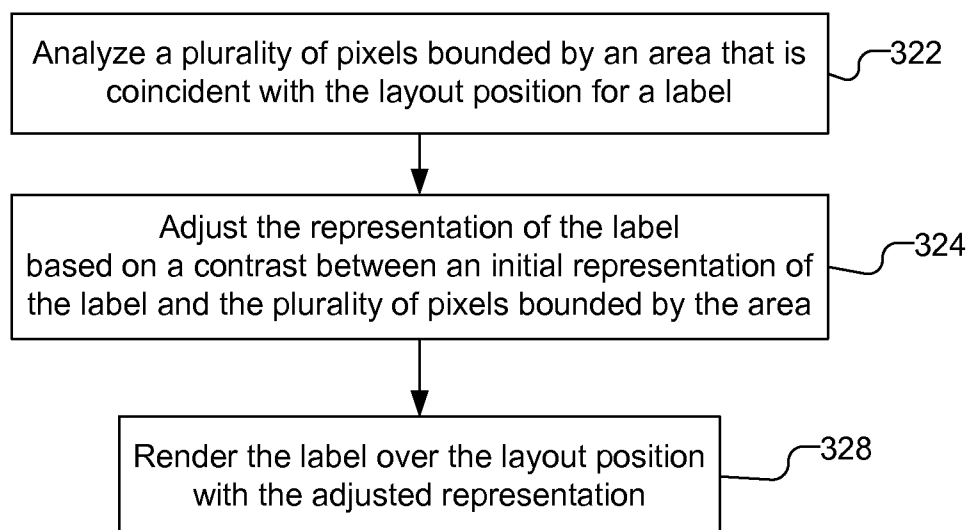


Fig. 8

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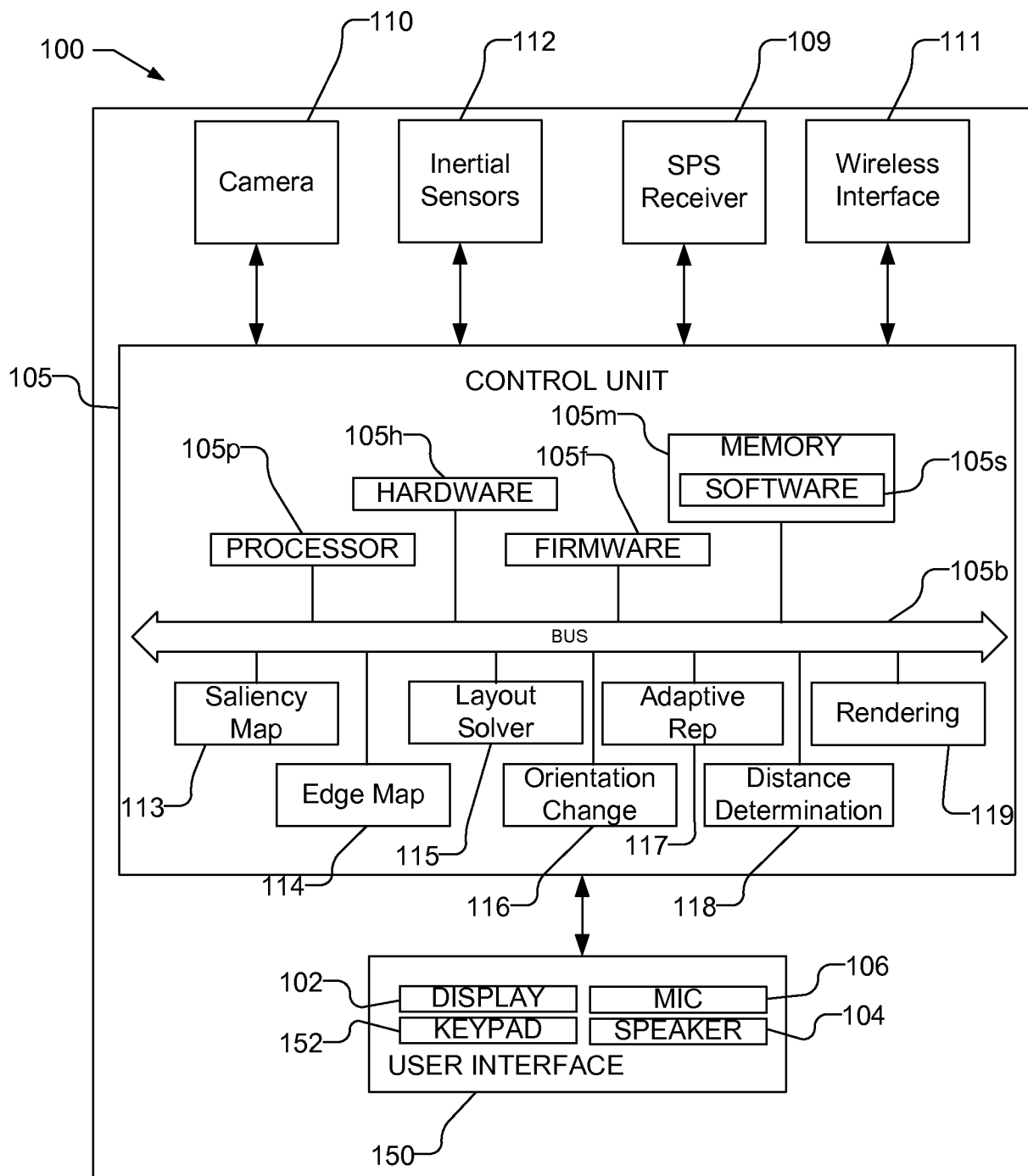


Fig. 9