

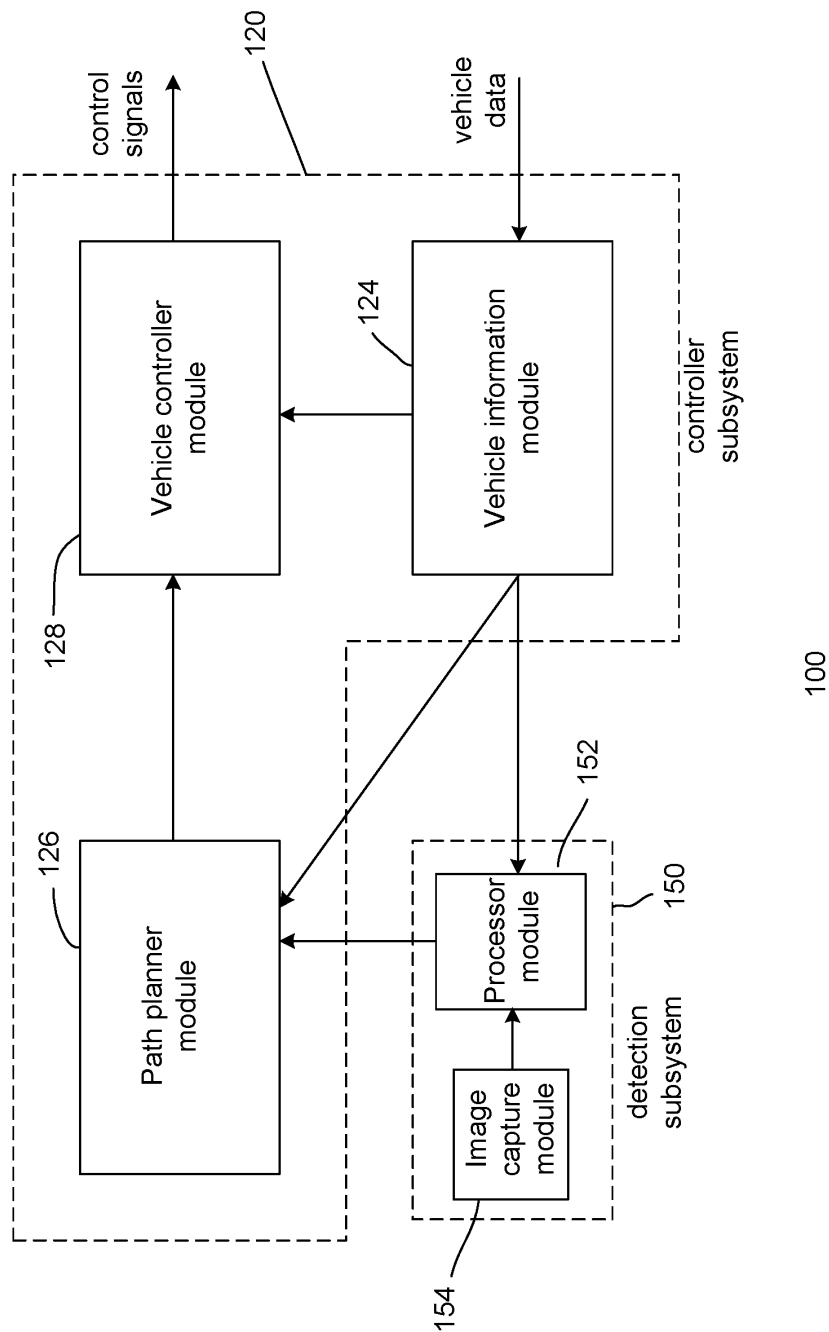


Fig. 1a

2/23

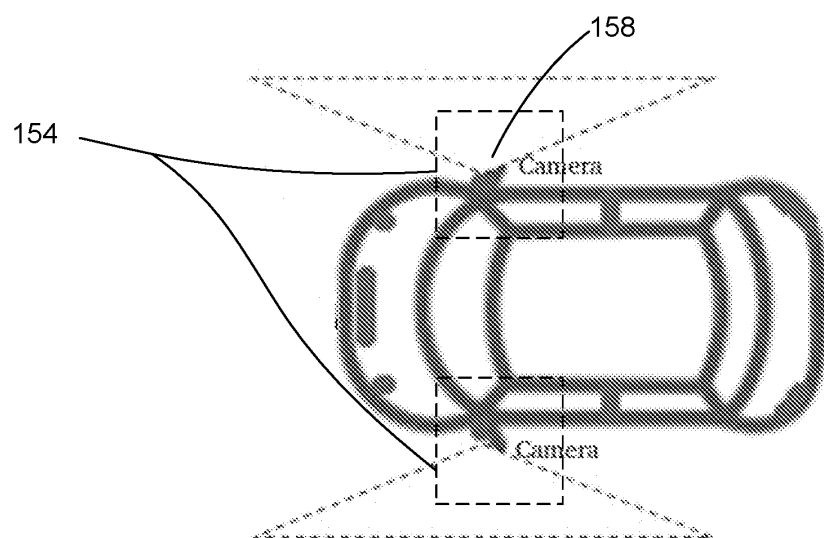


Fig. 1b

3/23

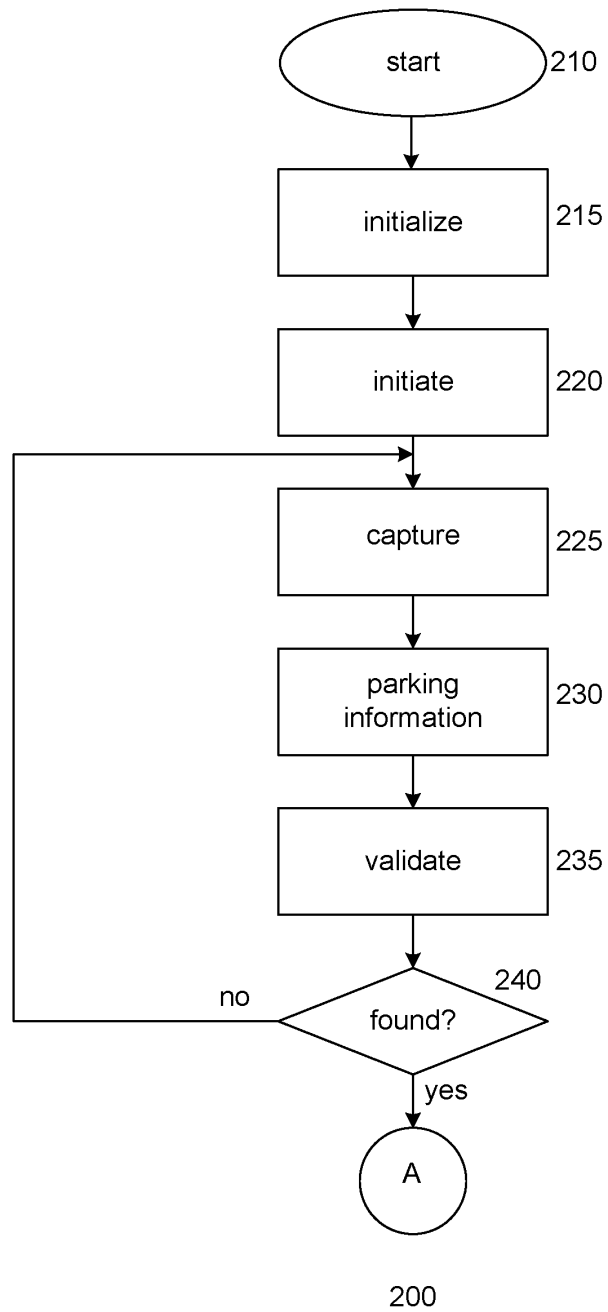


Fig. 2a

4/23

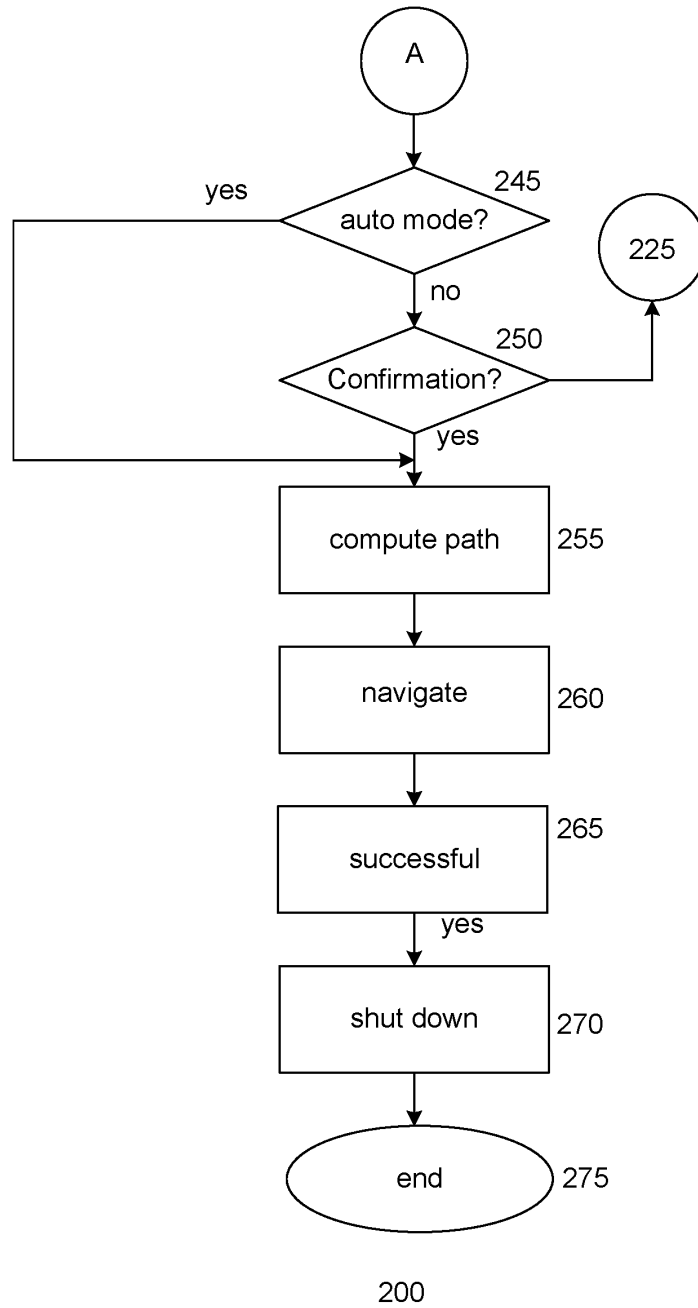


Fig. 2b

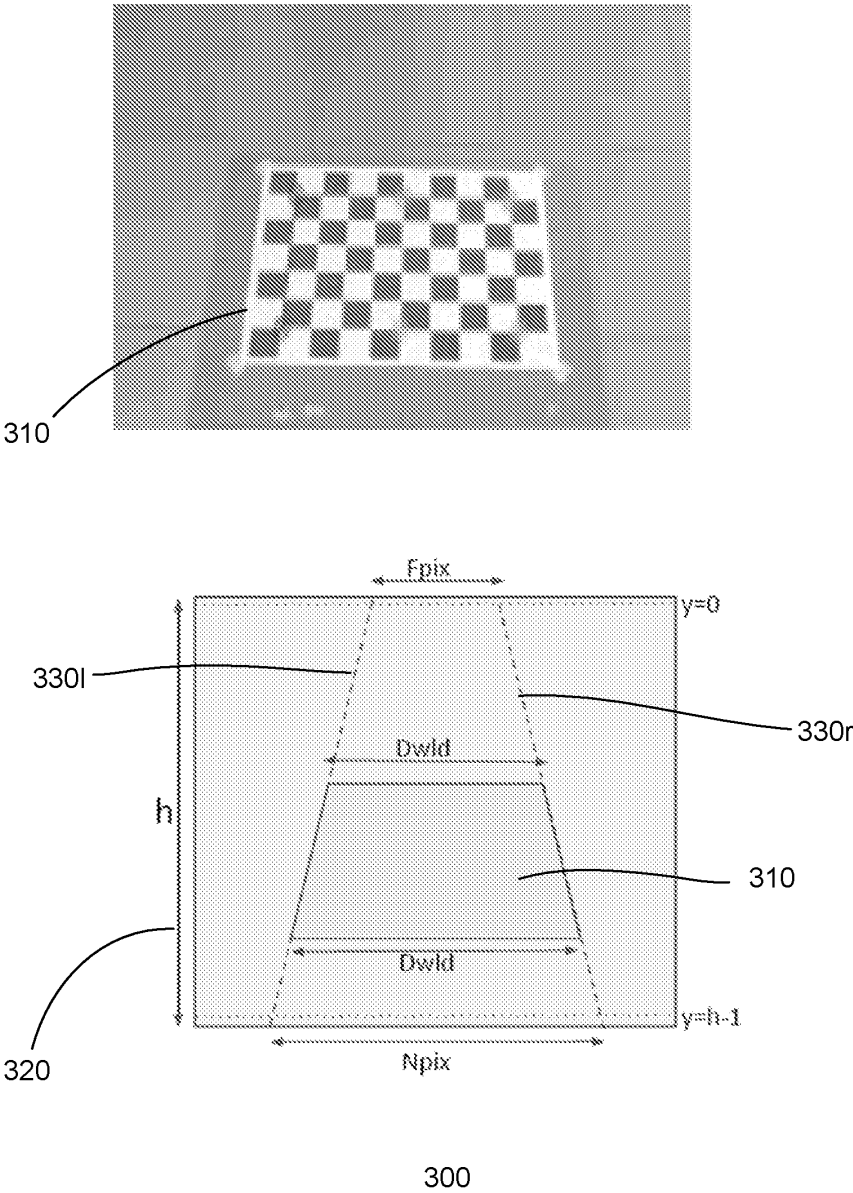
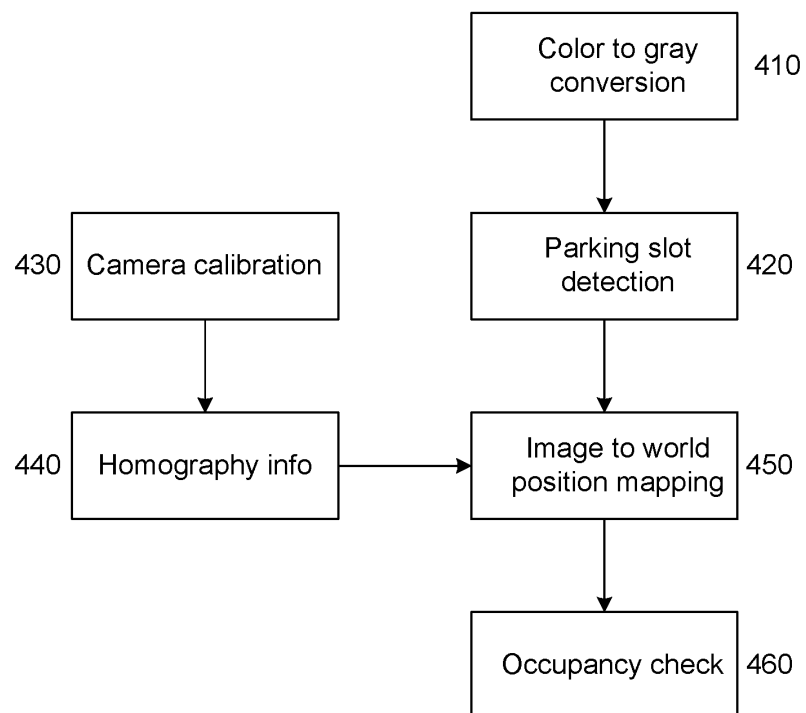


Fig. 3

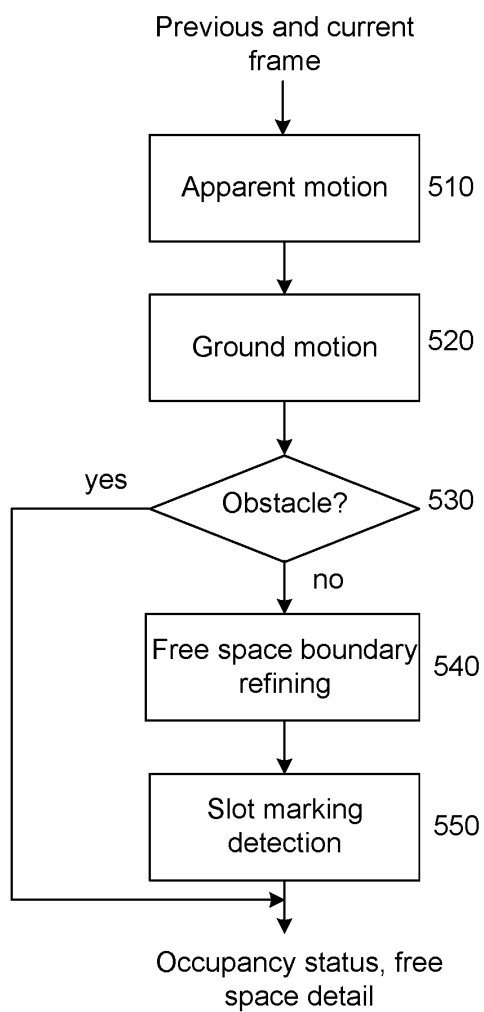
6/23



400

Fig. 4

7/23



500

Fig. 5a

8/23

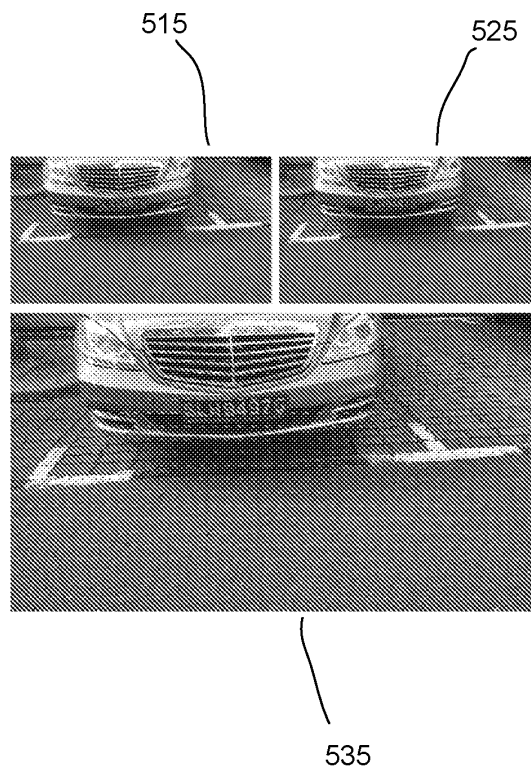


Fig. 5b

9/23

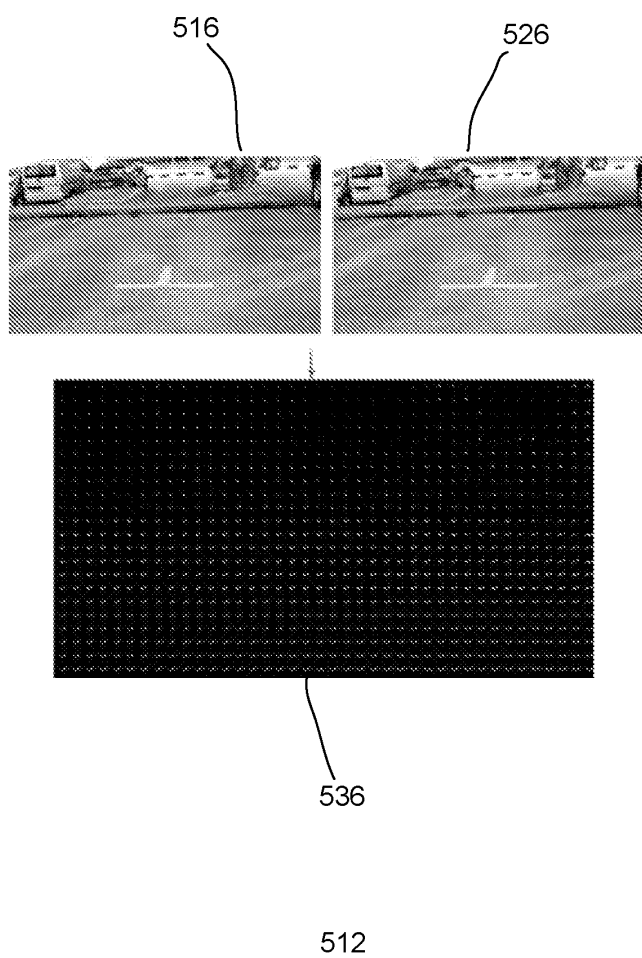
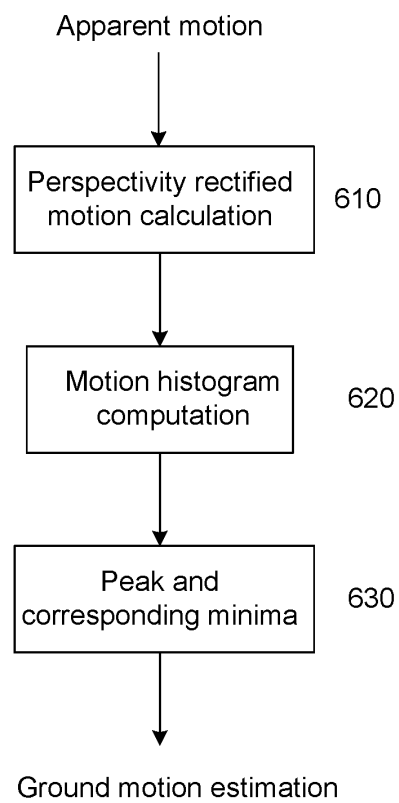


Fig. 5c

10/23



600

Fig. 6a

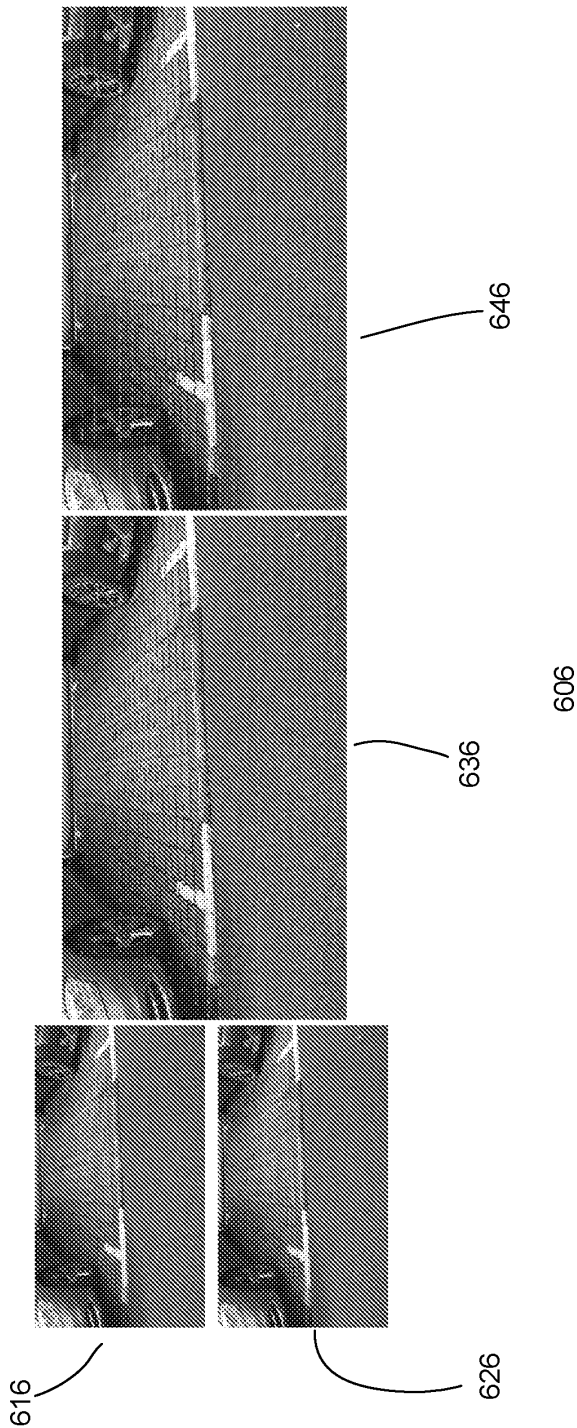
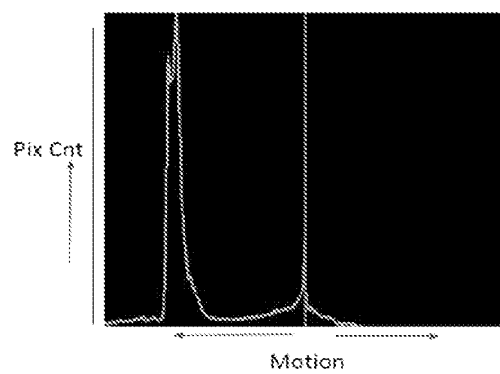


Fig. 6b

12/23



615

Fig. 6c

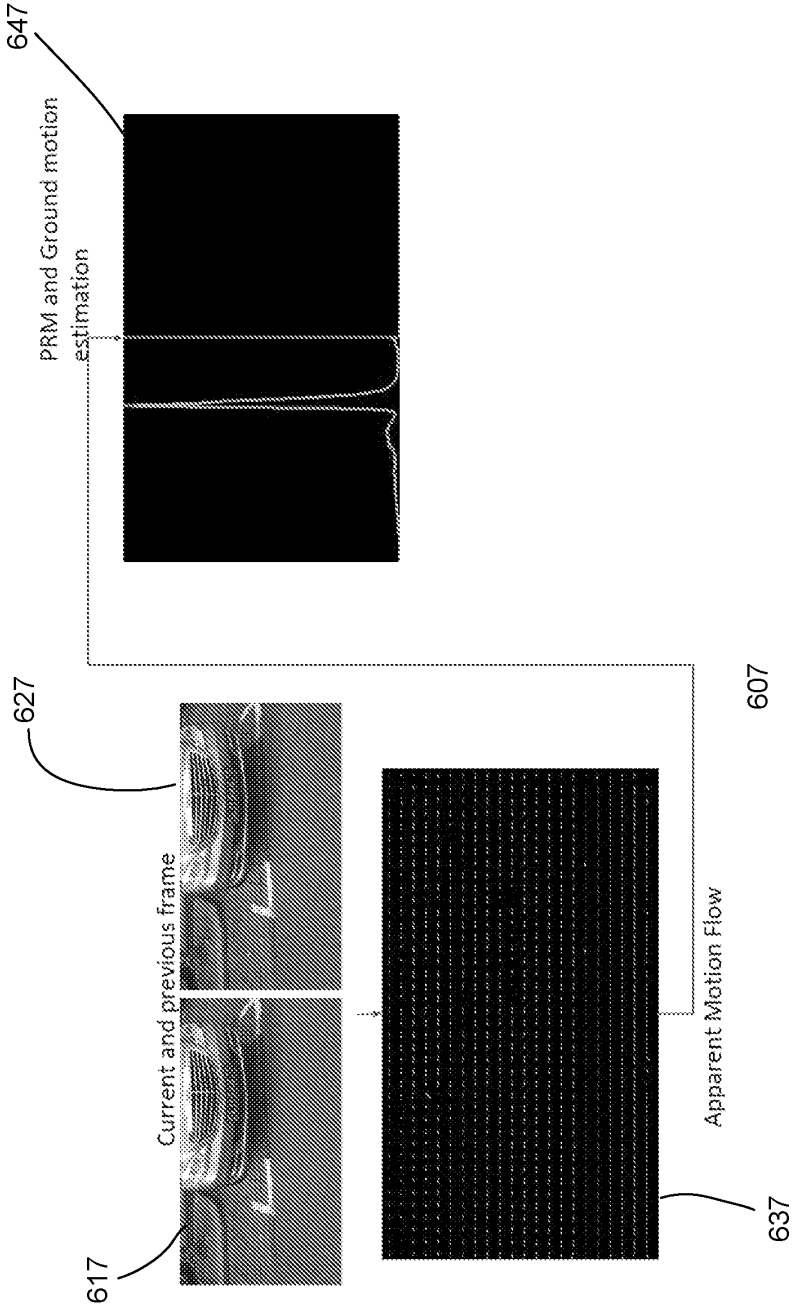


Fig. 6d

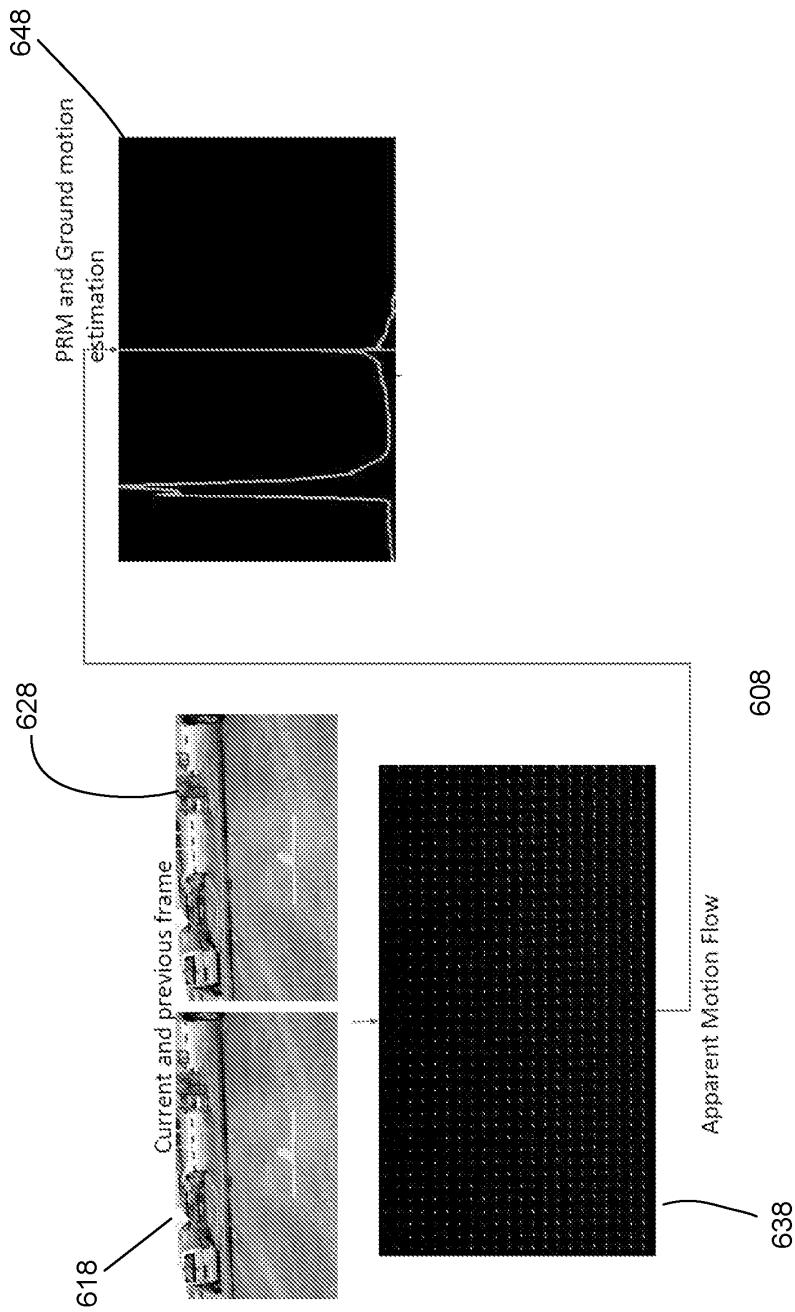
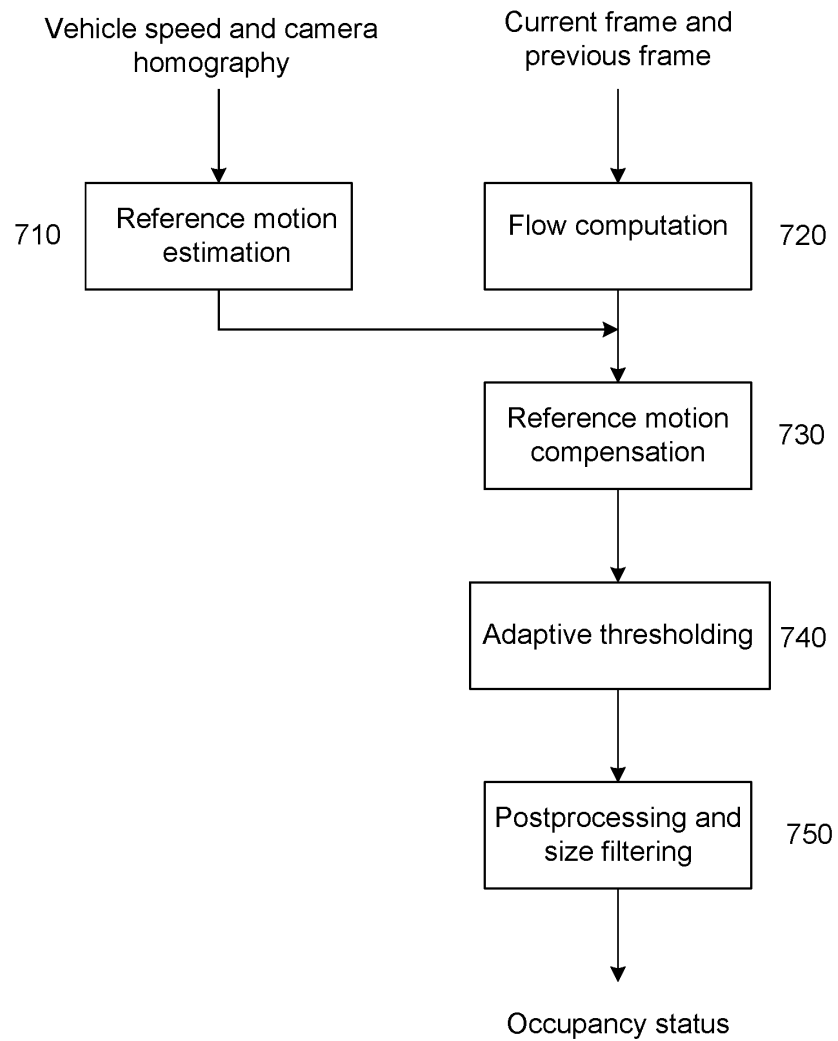


Fig. 6e

15/23



700

Fig. 7a

16/23

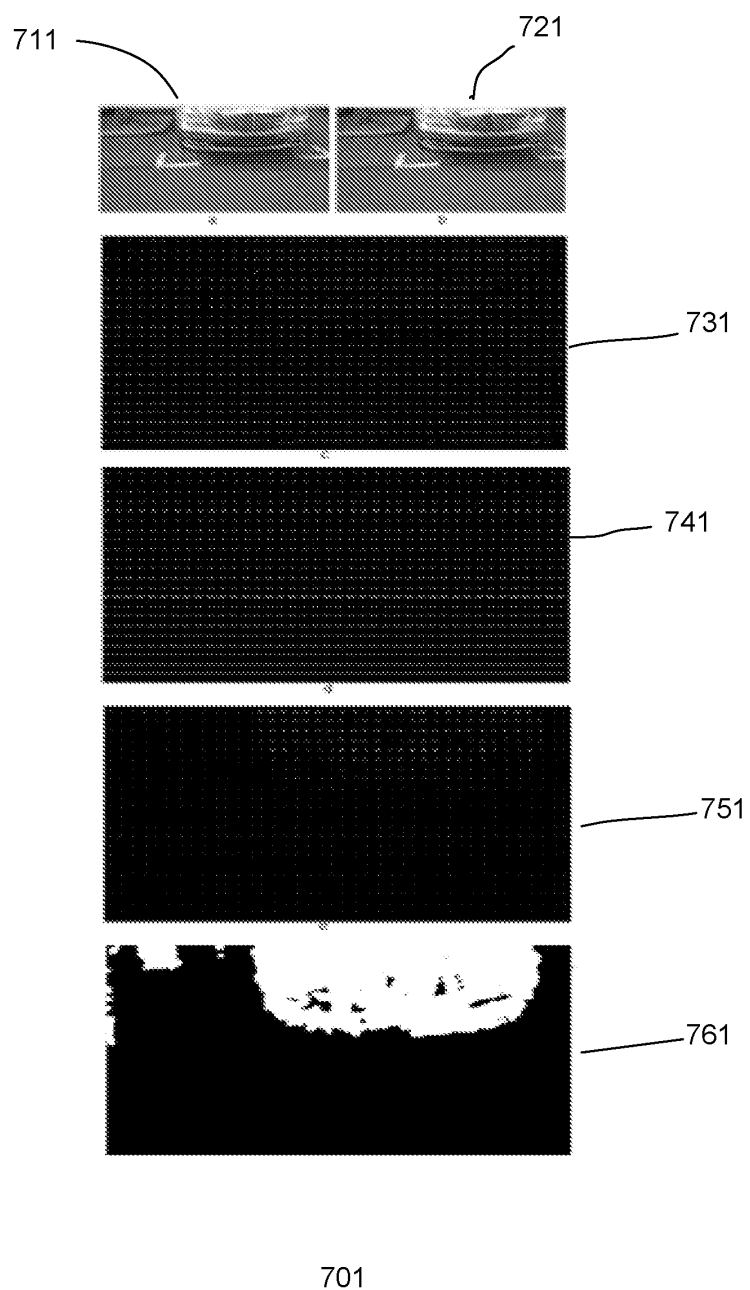


Fig. 7b

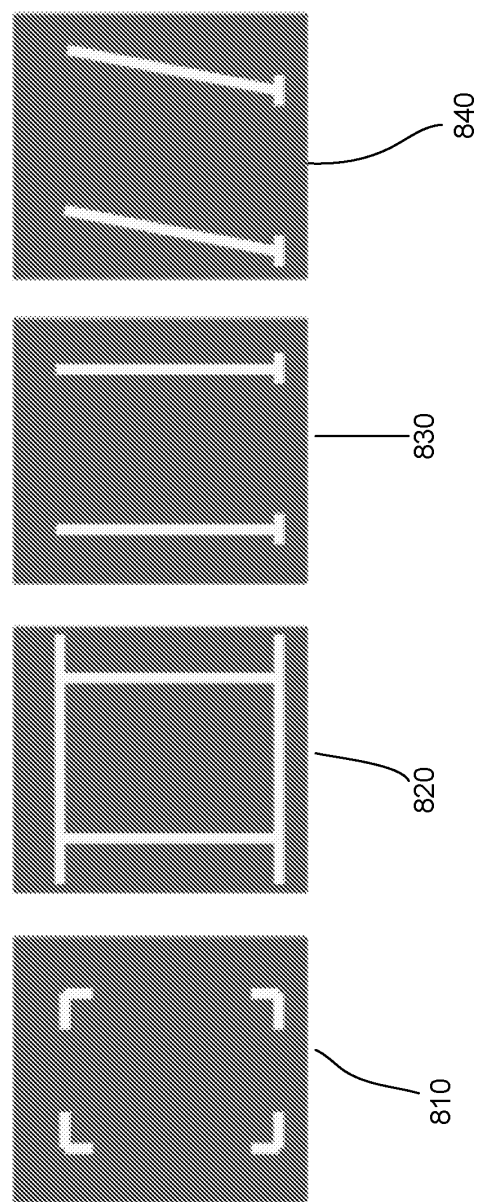
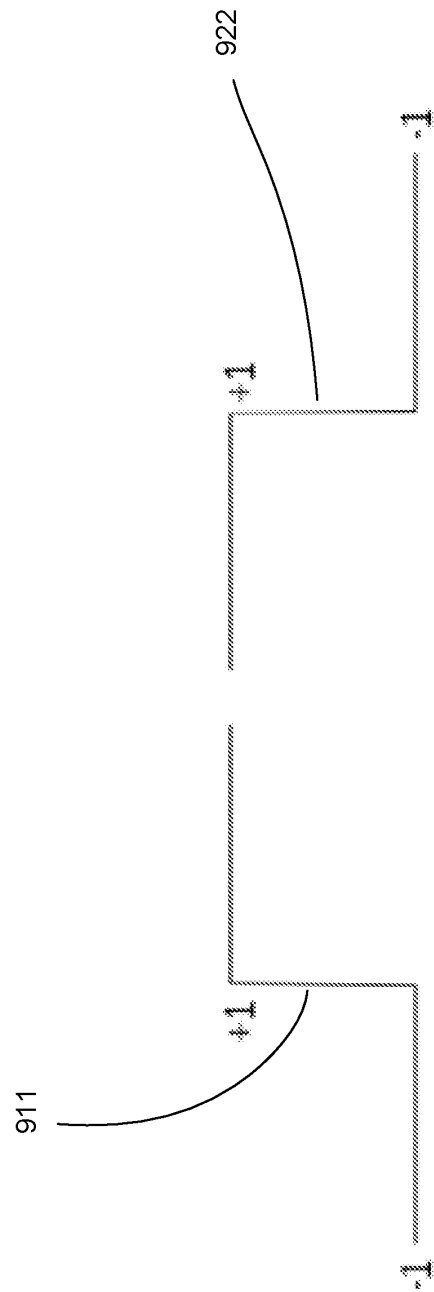


Fig. 8



900

Fig. 9a

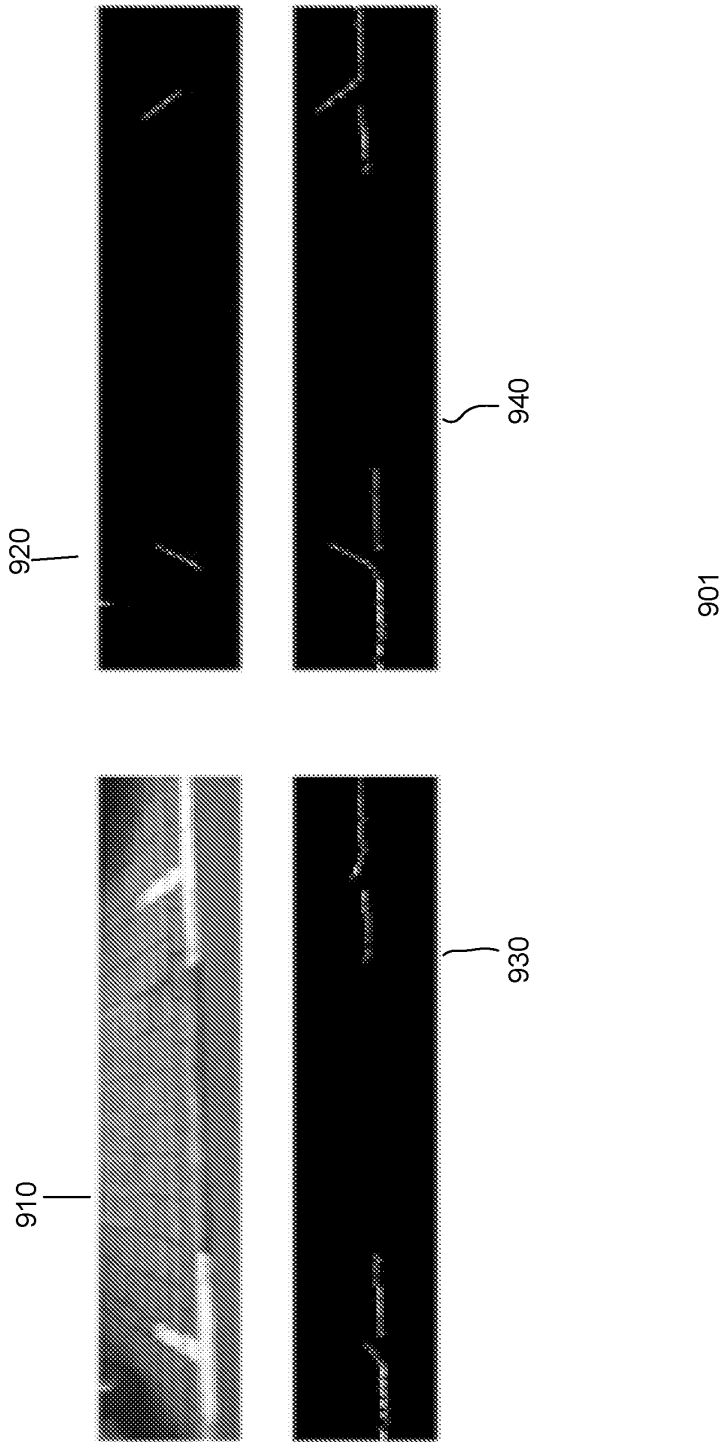
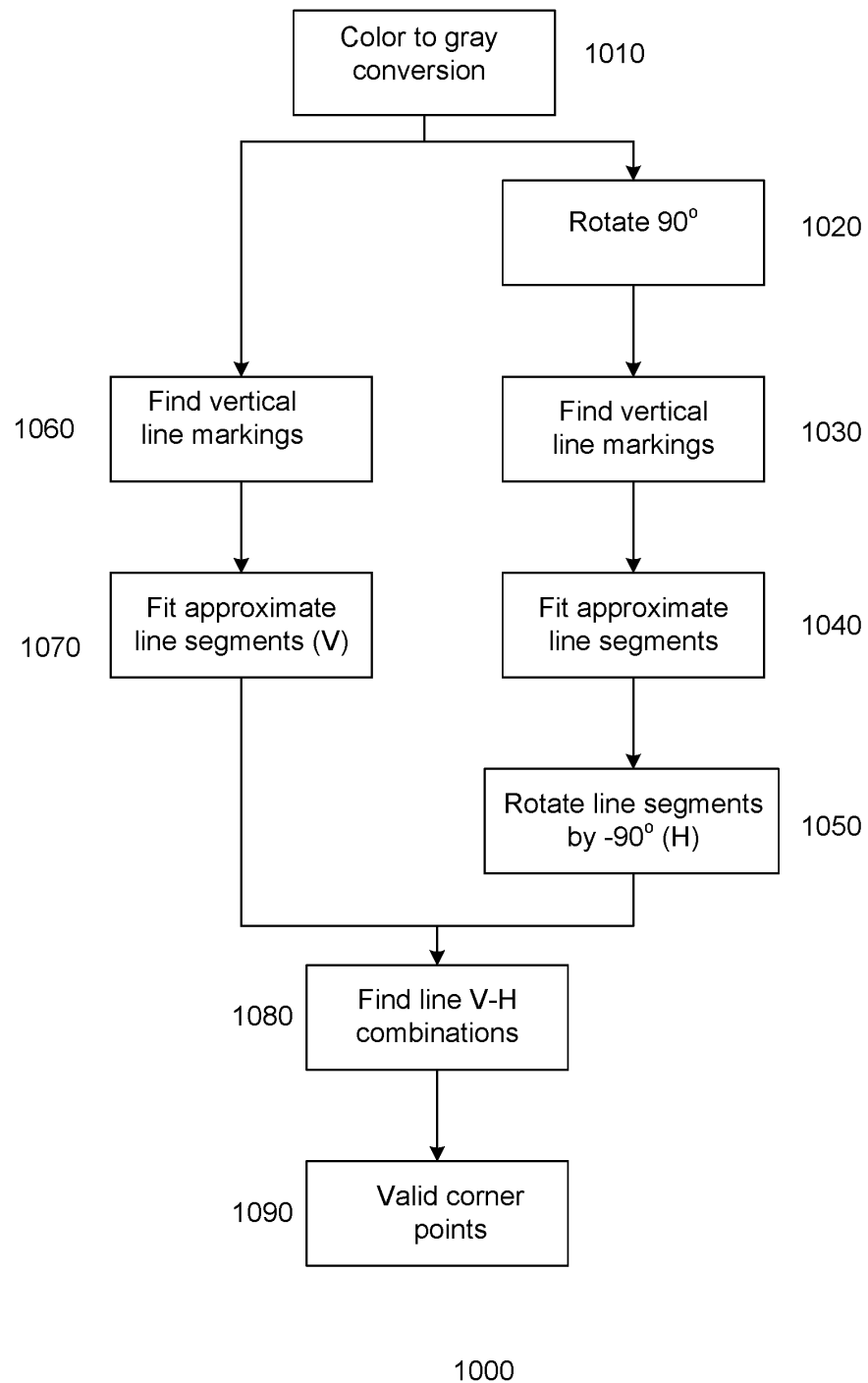


Fig. 9b

20/23**Fig. 10a**

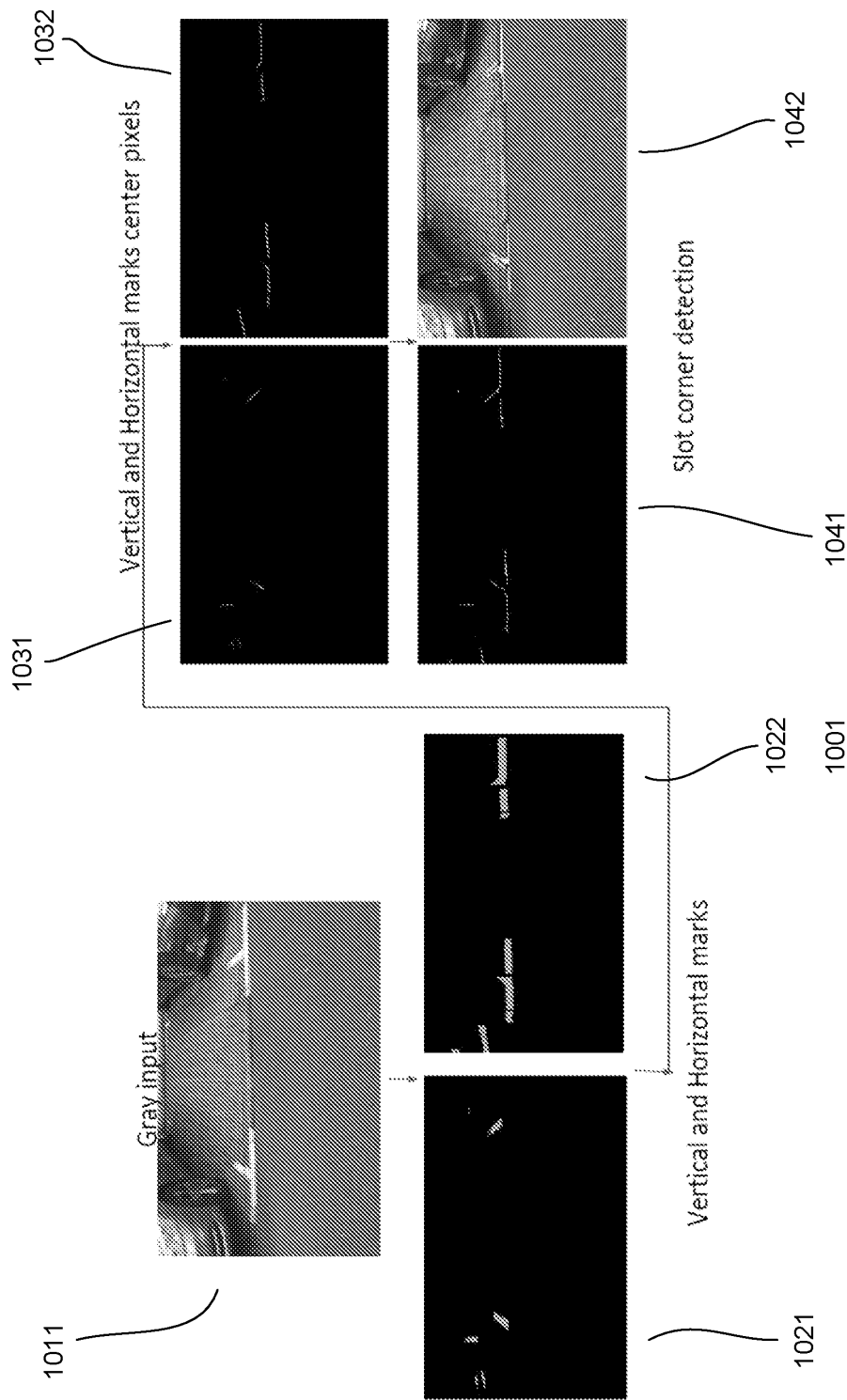


Fig. 10b

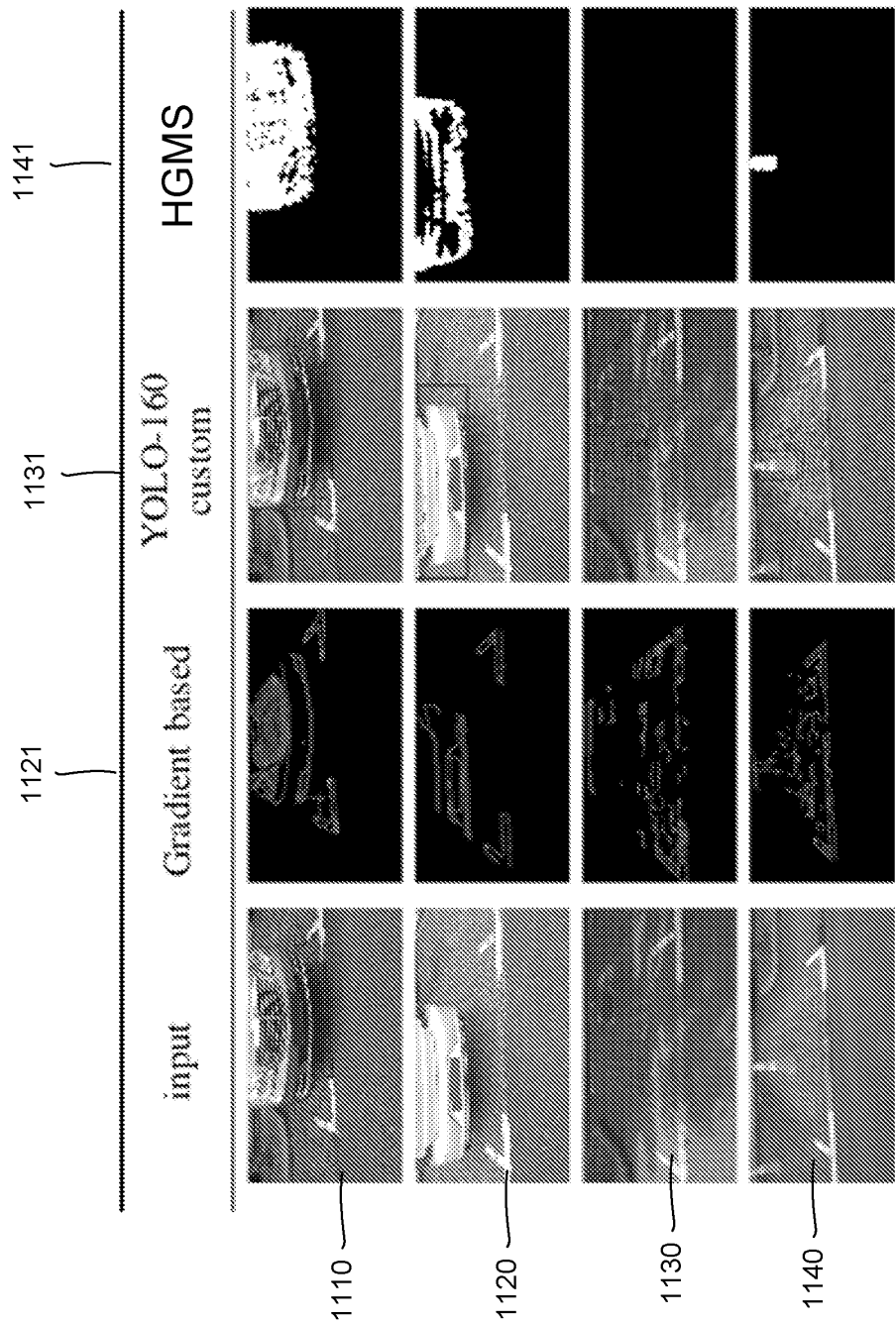


Fig. 11a

Method	Precision	Recall	F1 Score
Gradient	0.91	0.75	0.82
YOLO-I60 default	0.81	1.0	0.89
YOLO-I60 custom	0.96	1.0	0.98
HGMS	0.98	0.95	0.97

Fig. 11b