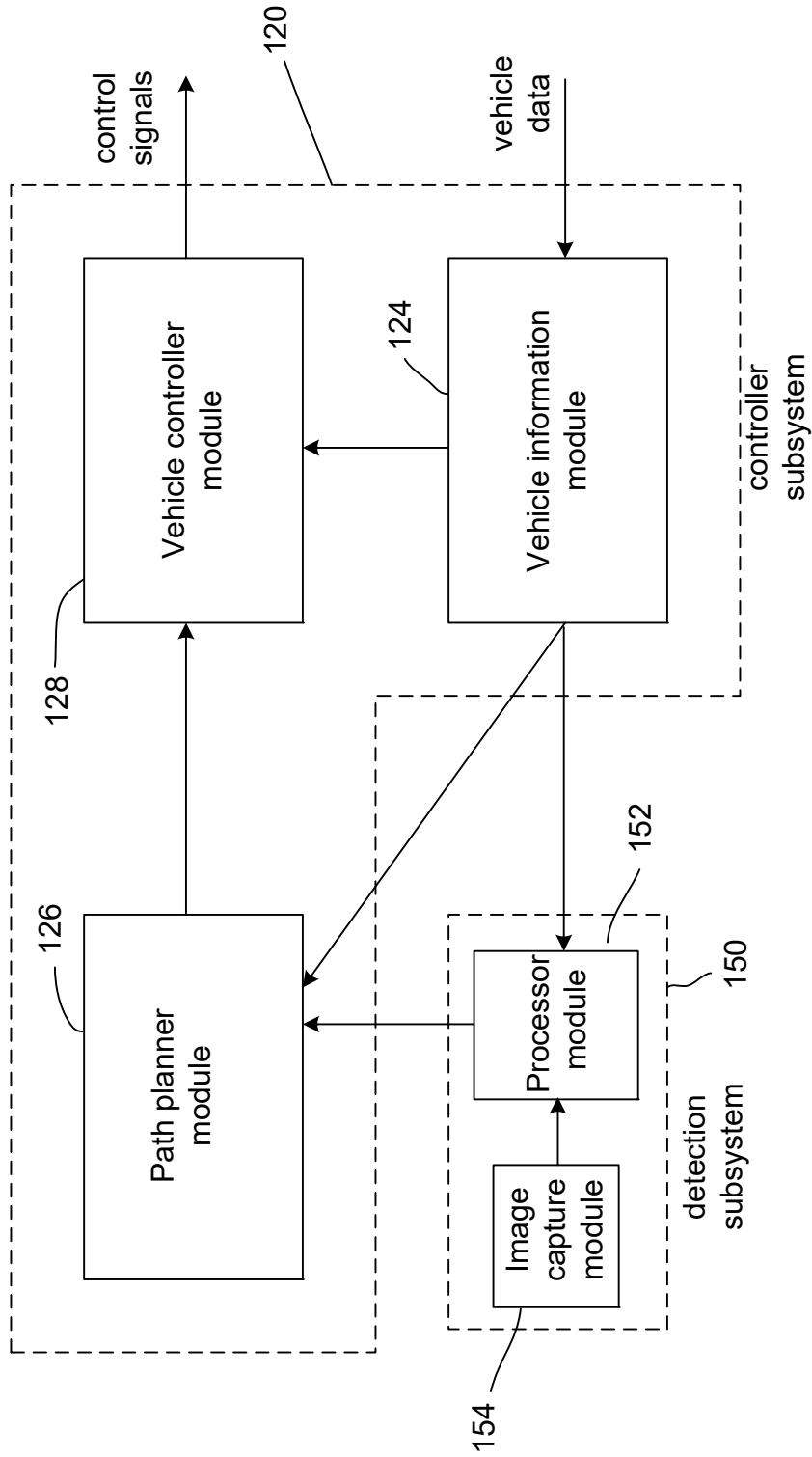




100

Fig. 1a

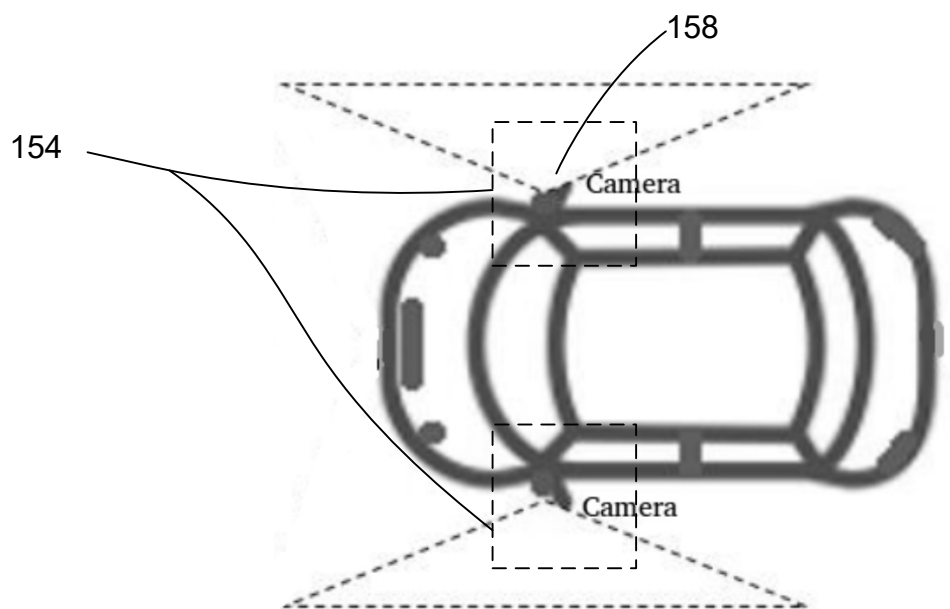


Fig. 1b

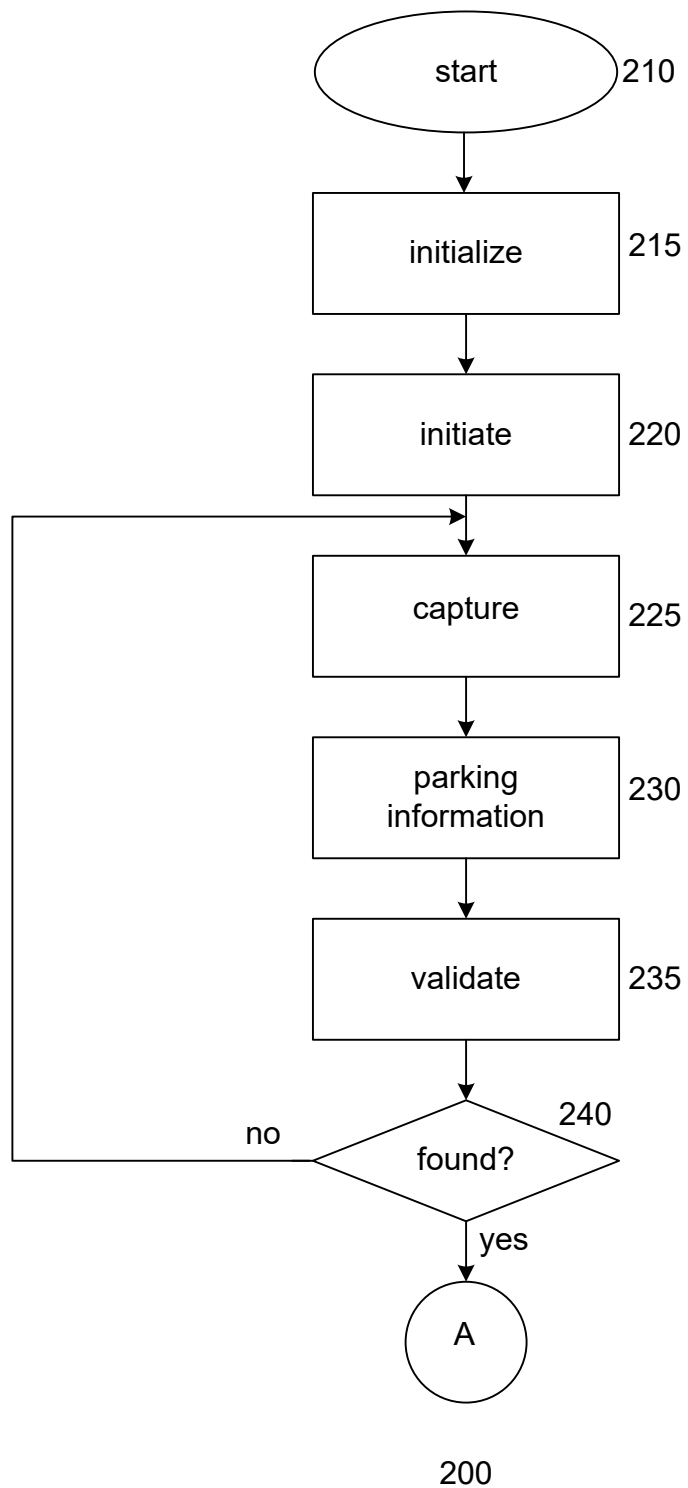


Fig. 2a

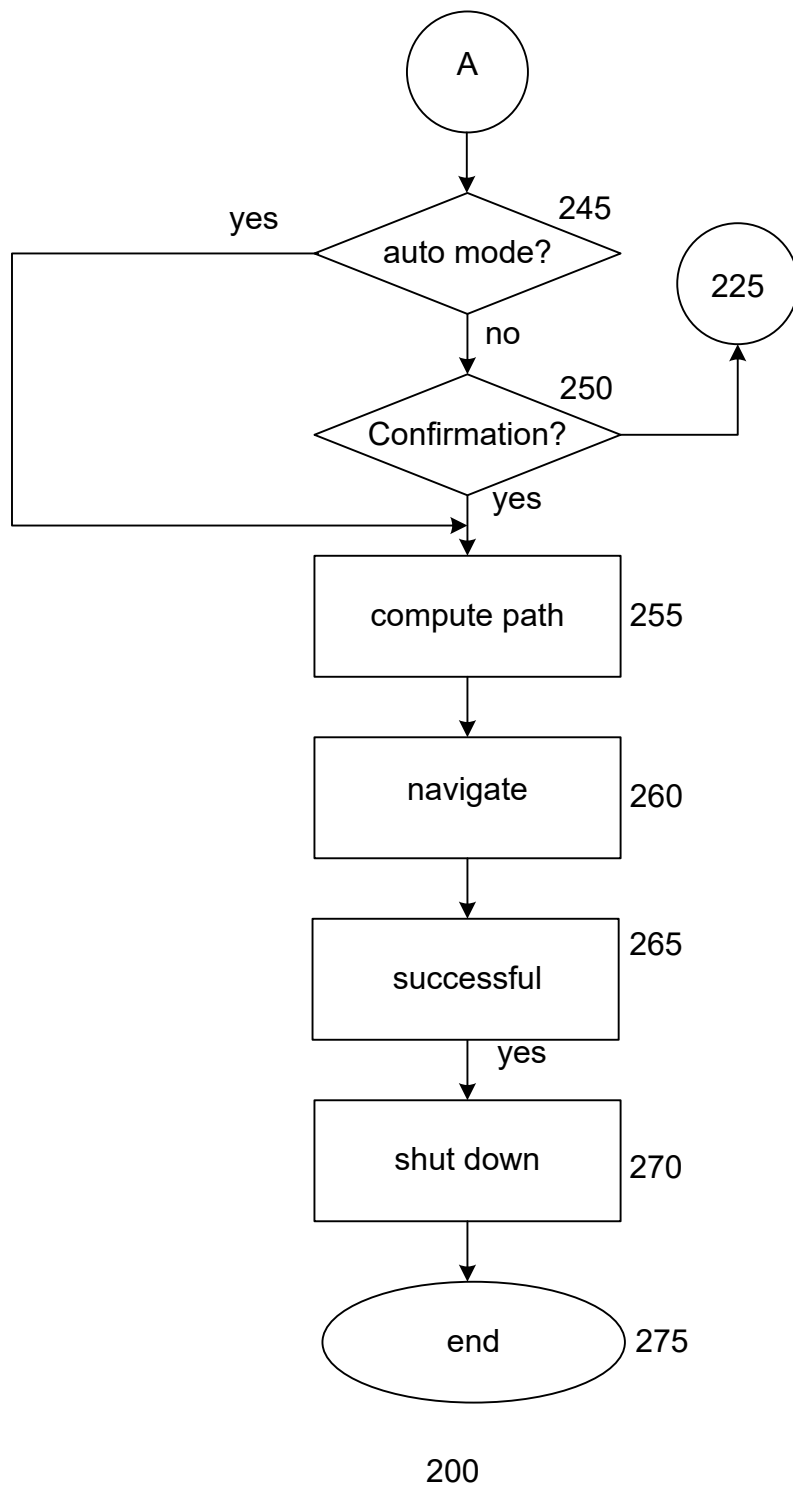


Fig. 2b

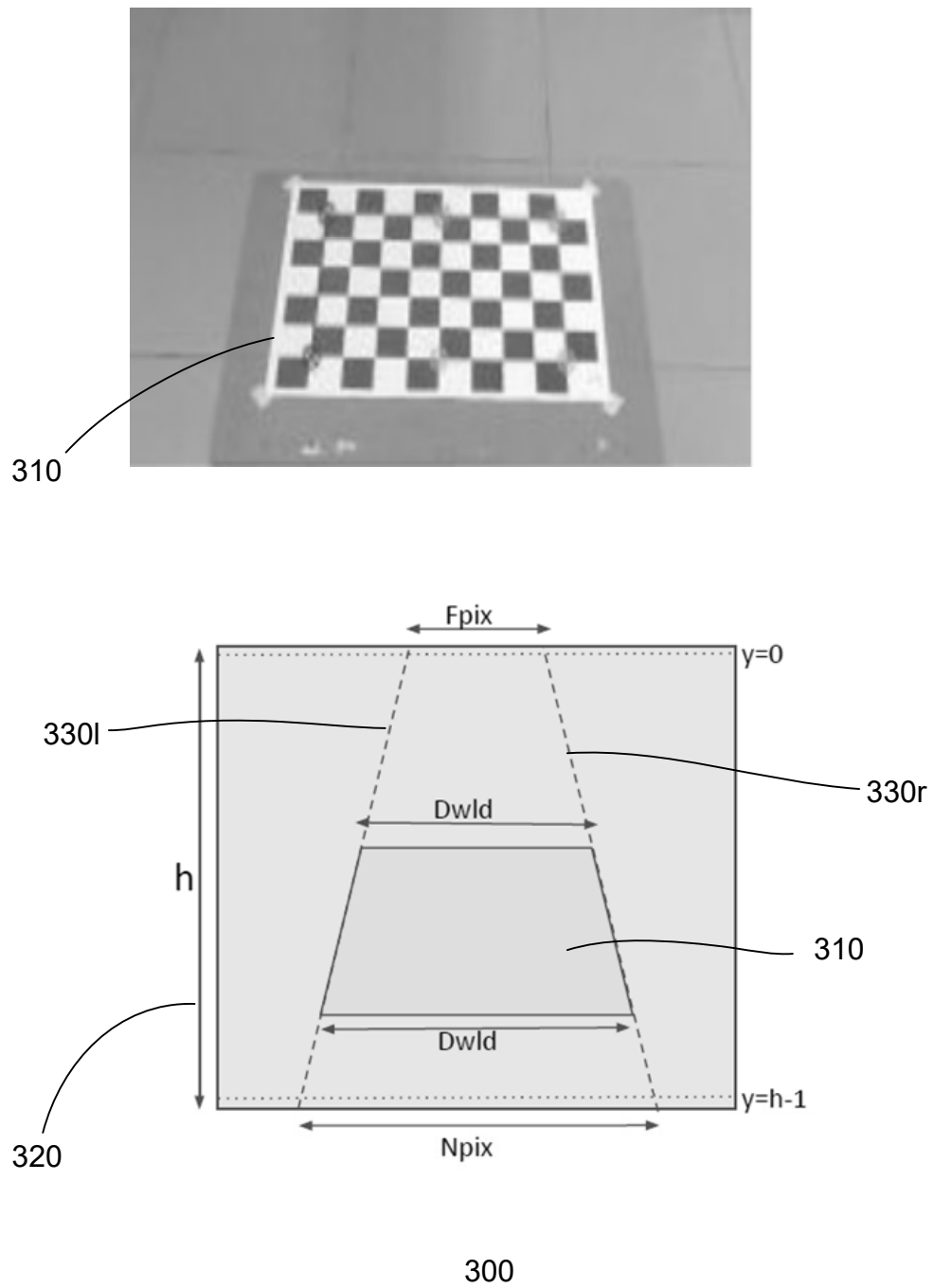
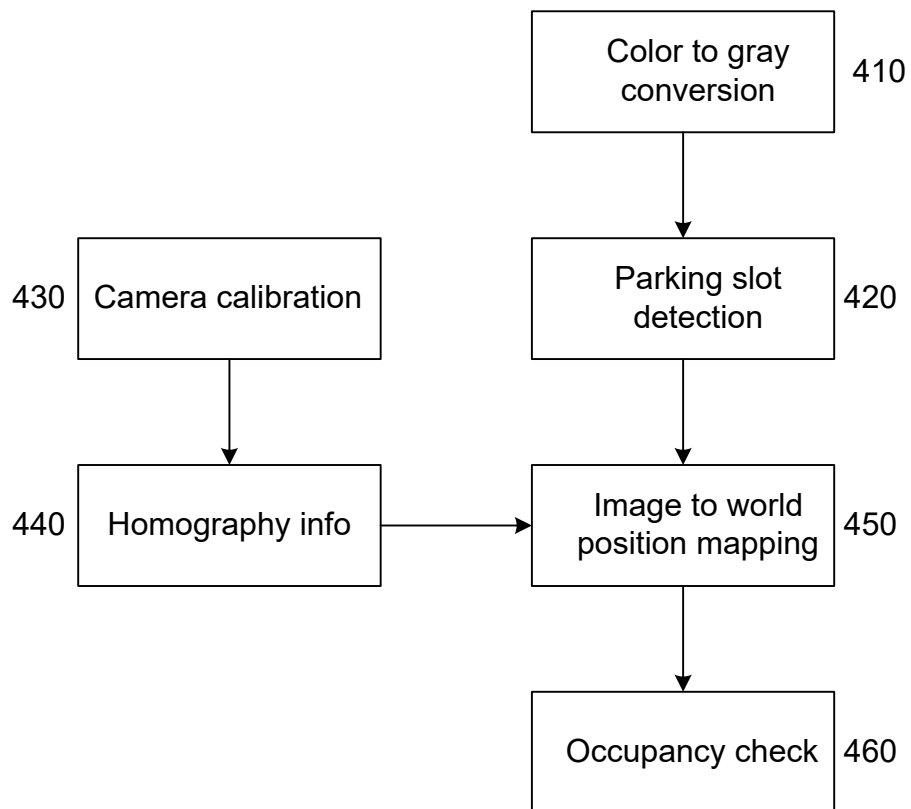
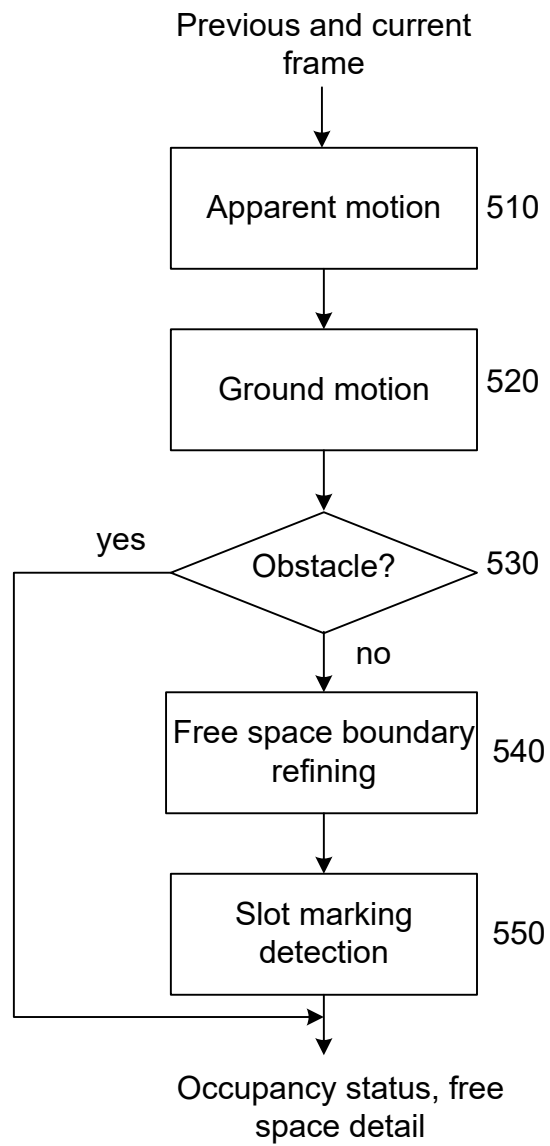


Fig. 3



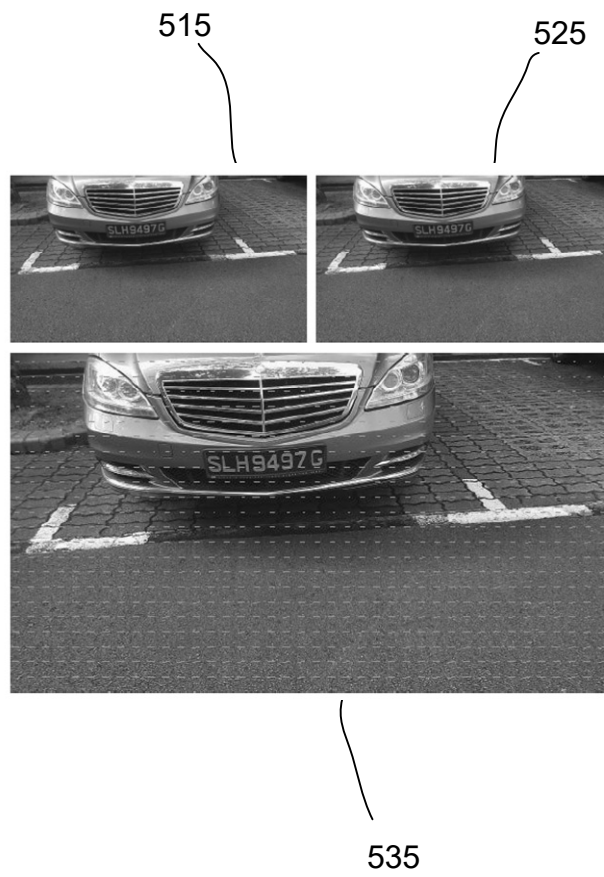
400

Fig. 4



500

Fig. 5a



511

Fig. 5b

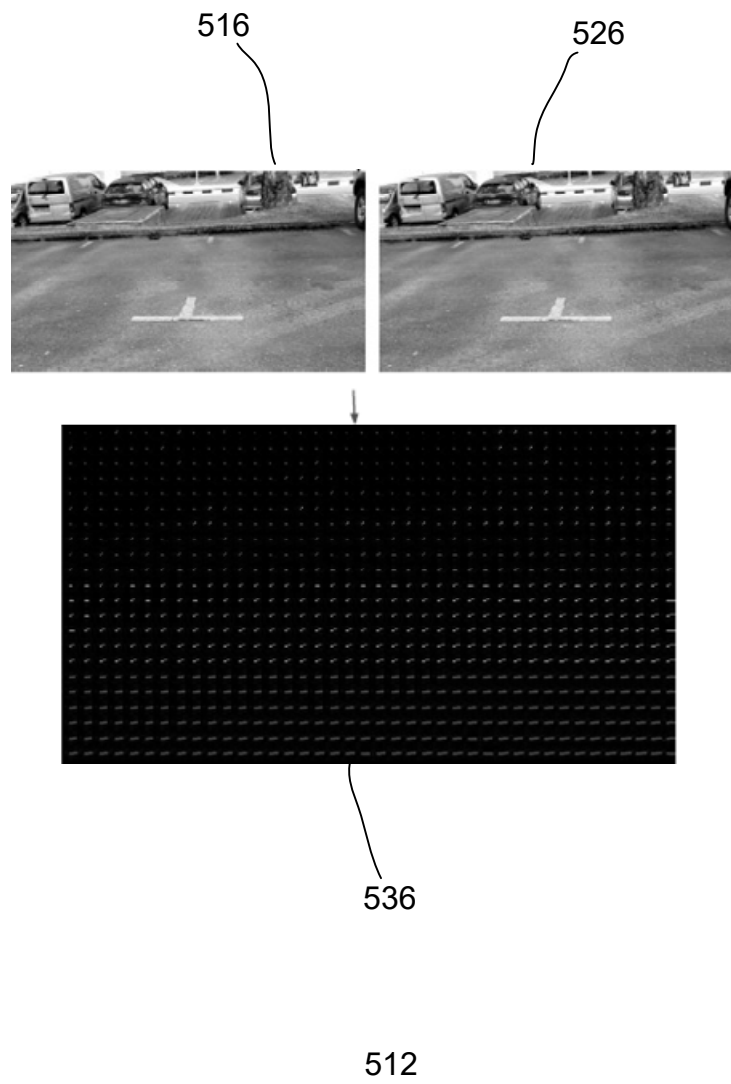
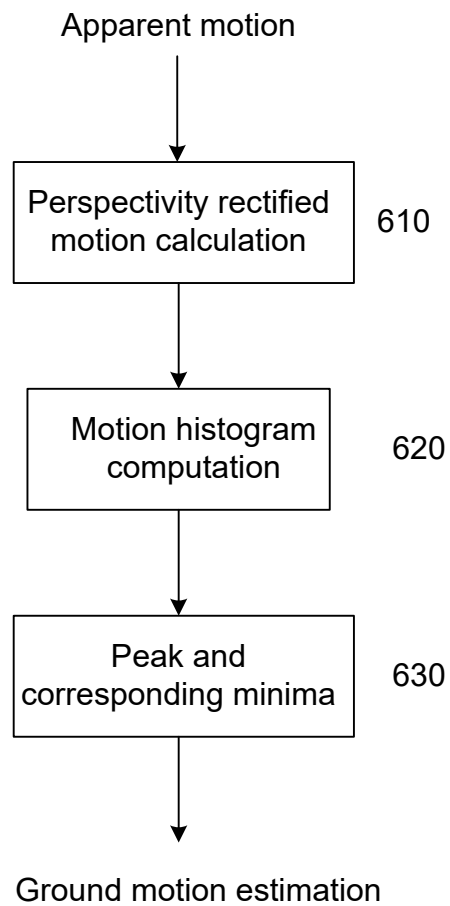


Fig. 5c



600

Fig. 6a

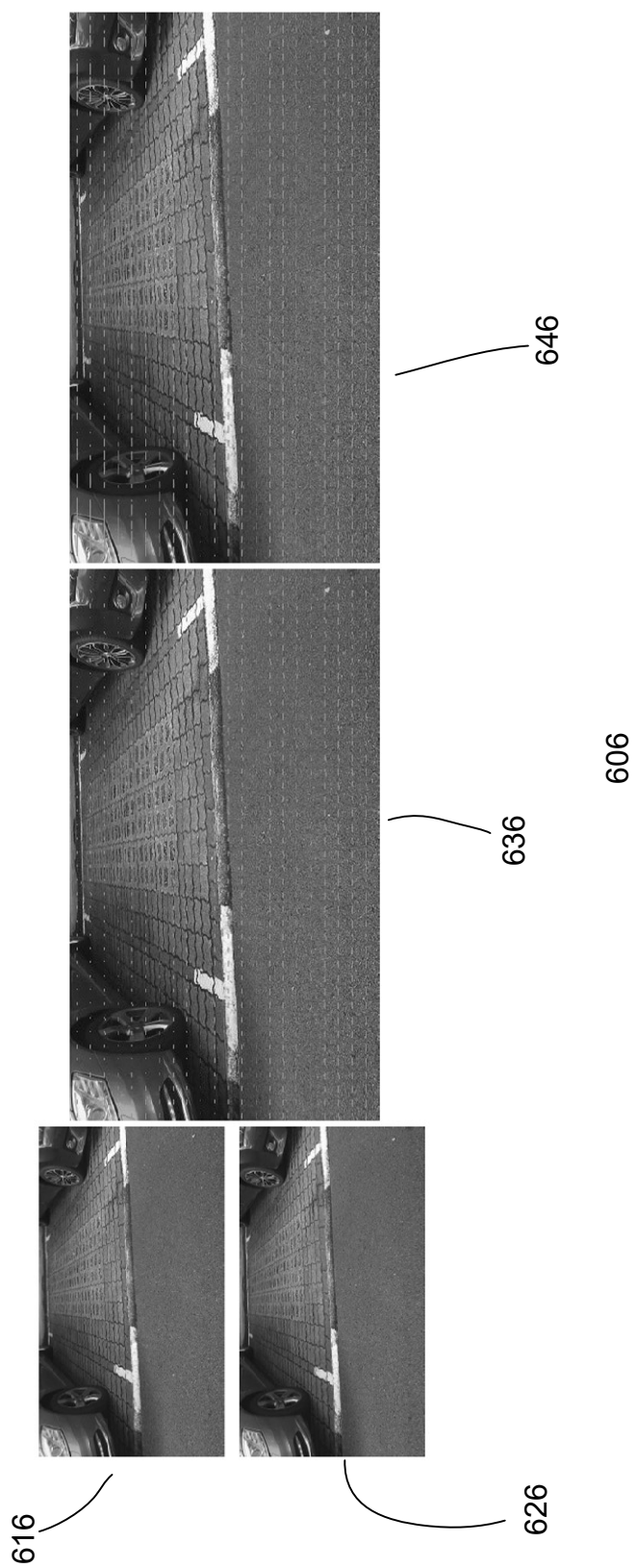
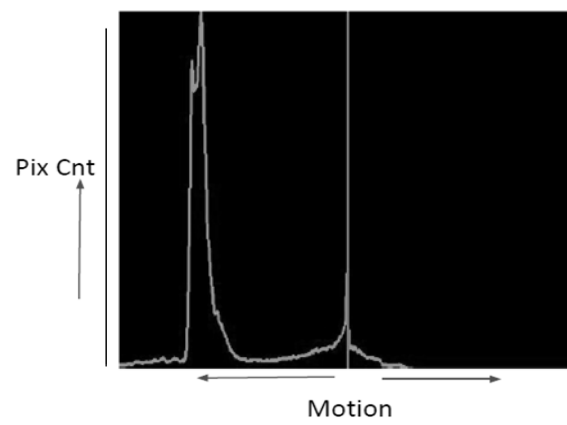


Fig. 6b



615

Fig. 6c

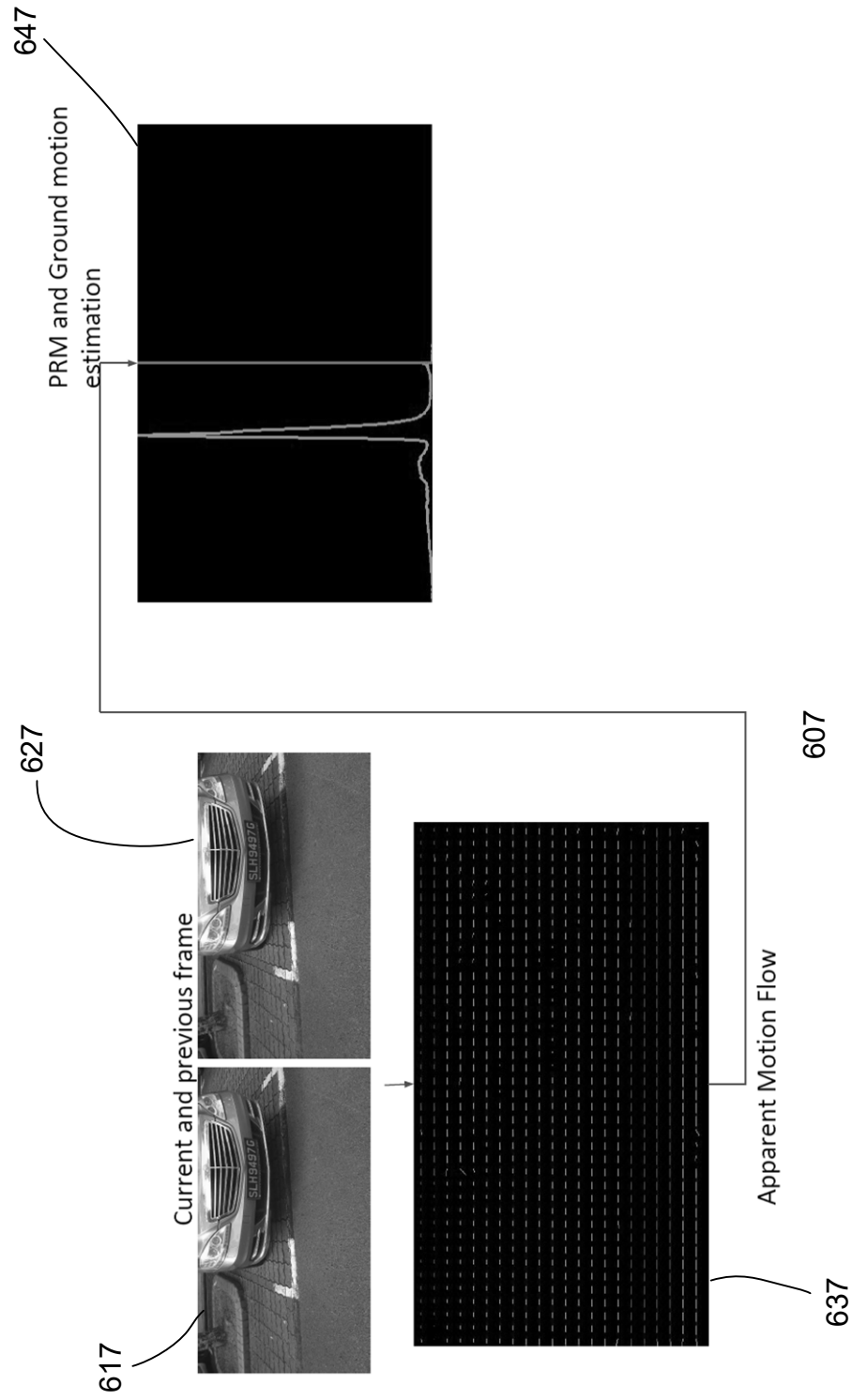


Fig. 6d

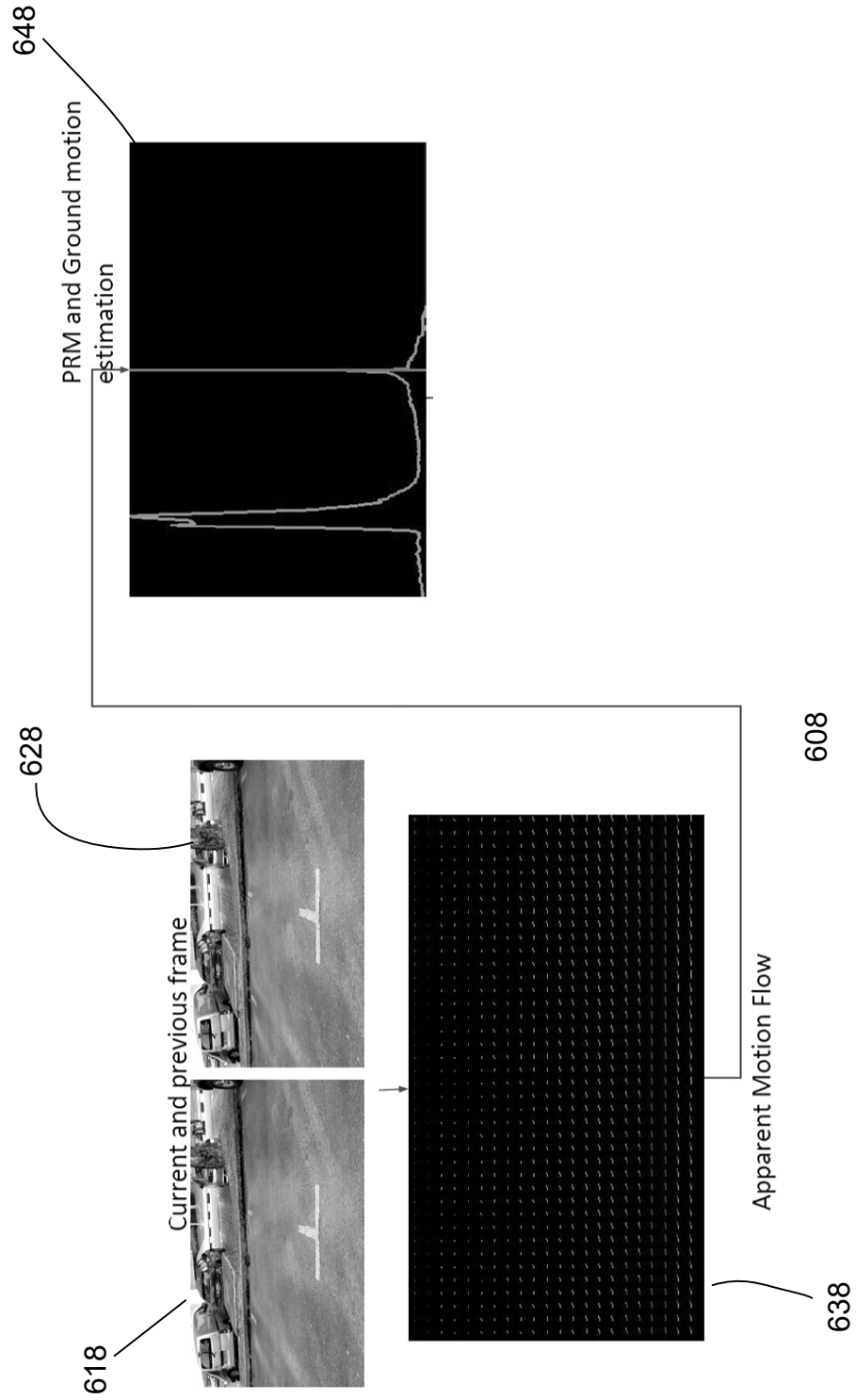
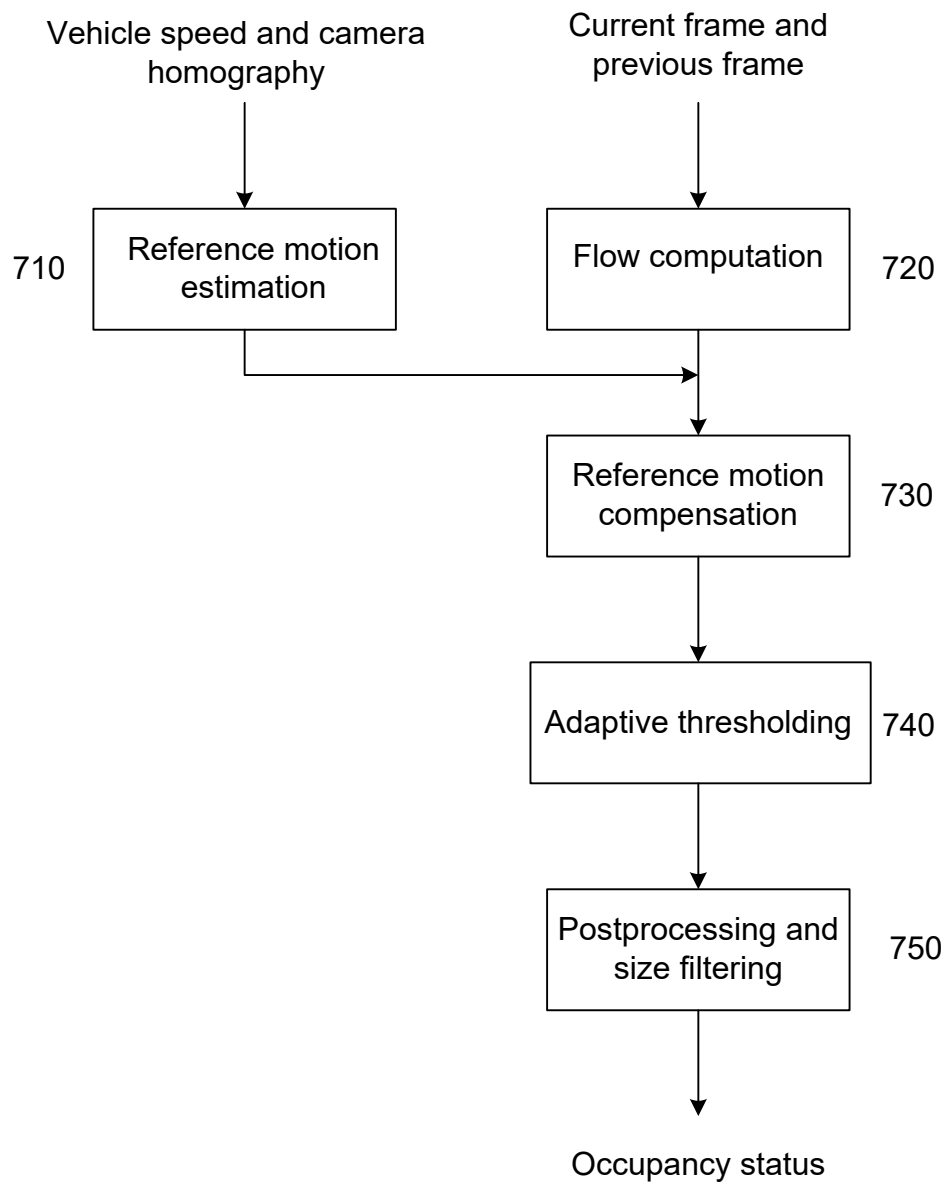
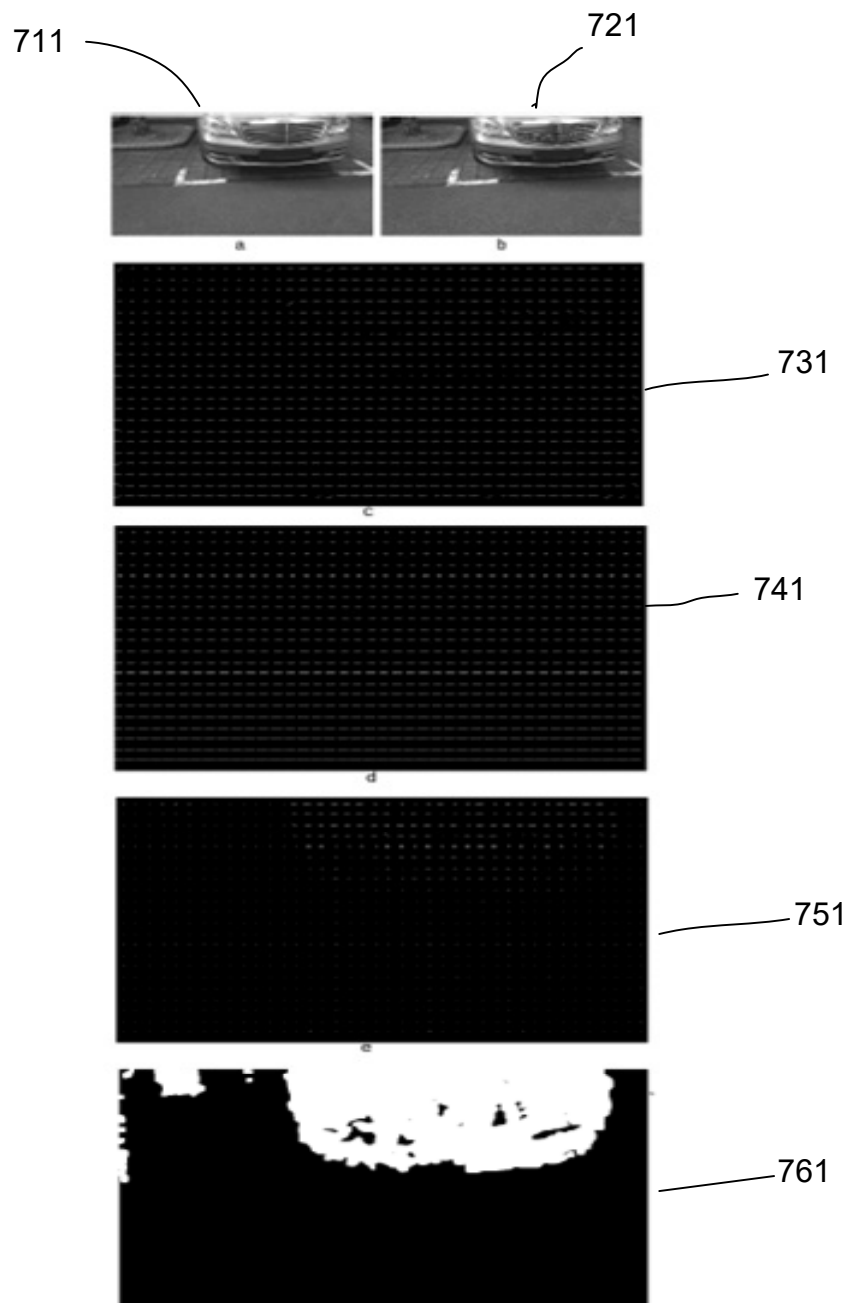


Fig. 6e



700

Fig. 7a



701

Fig. 7b

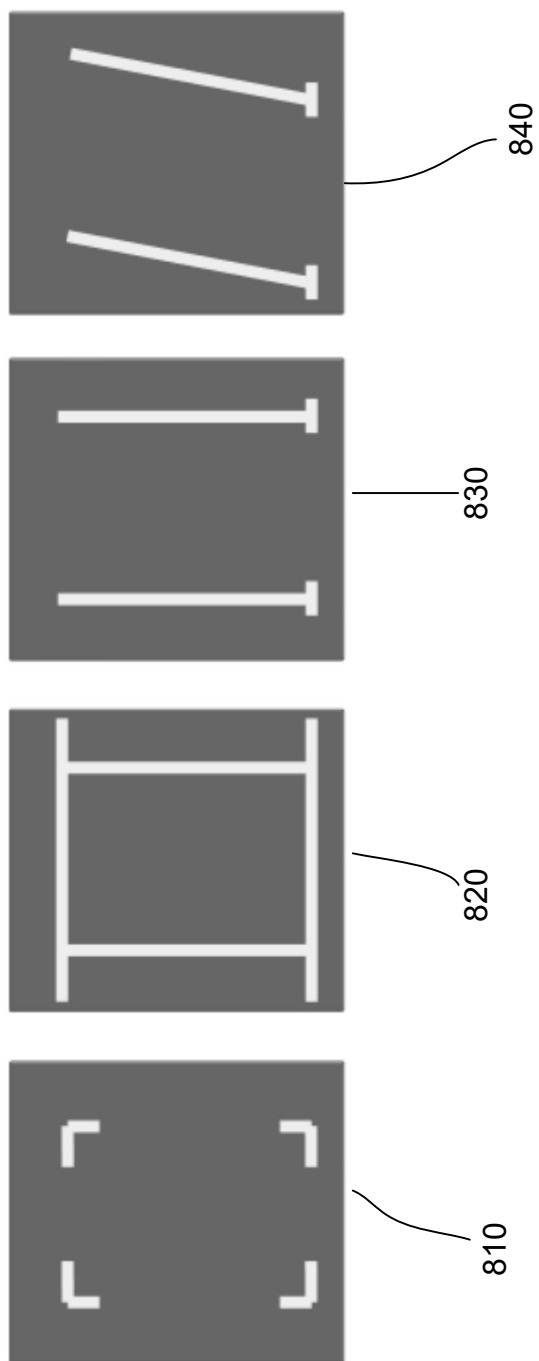
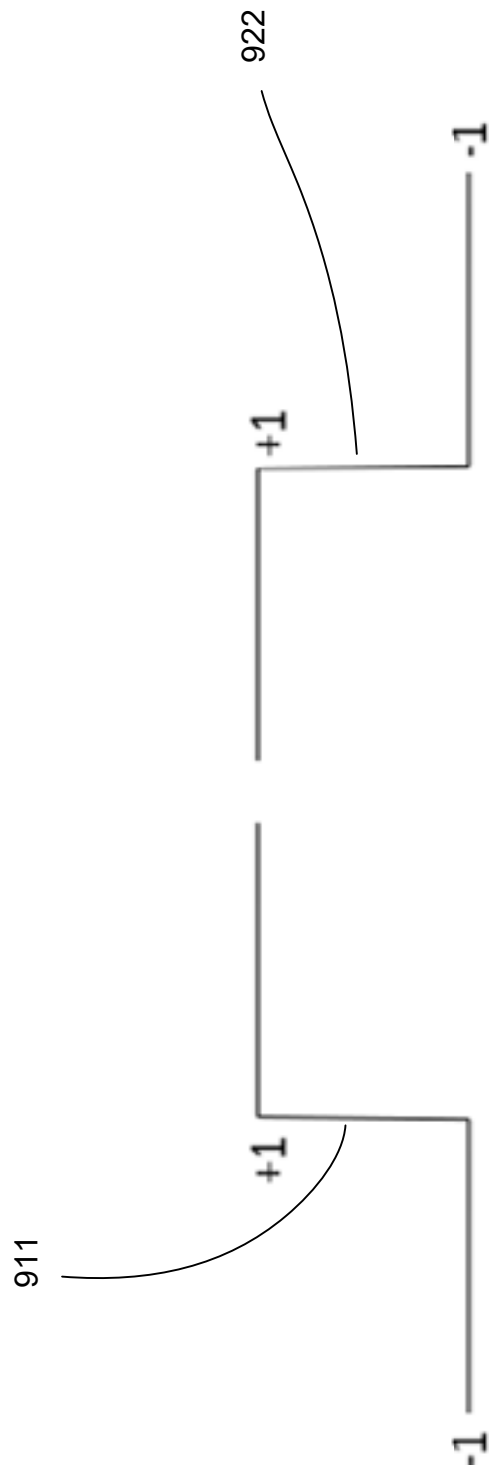
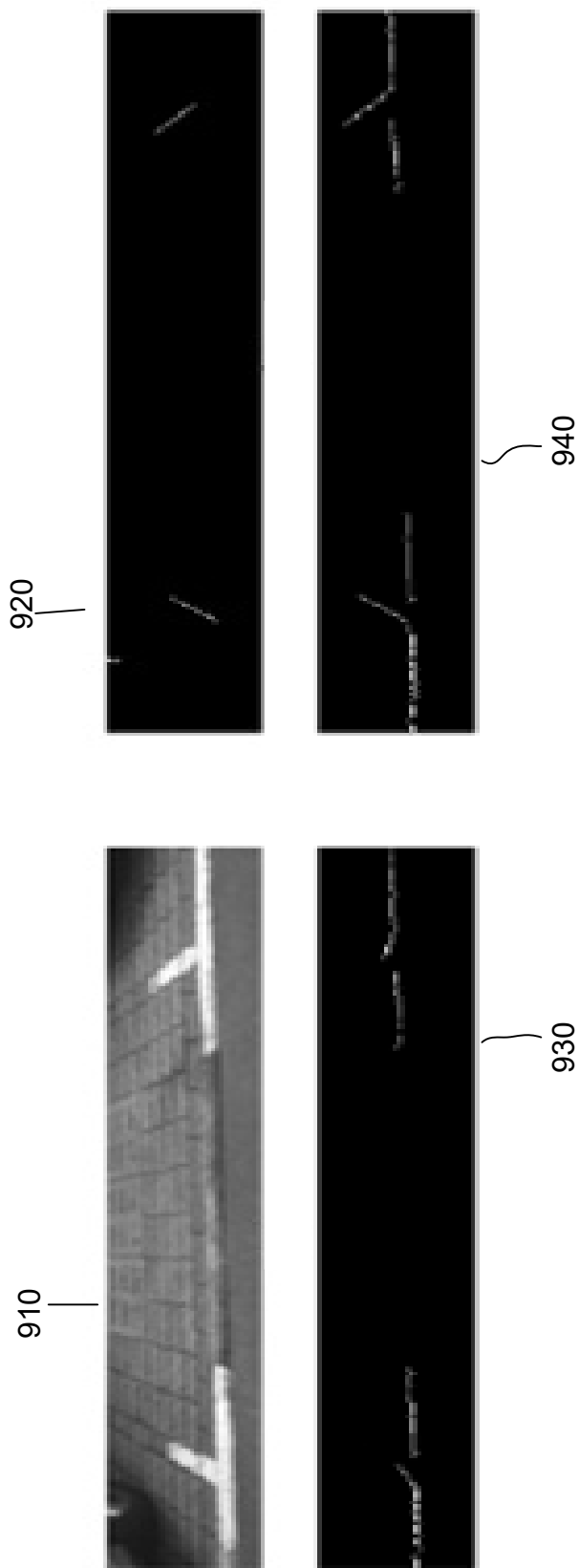


Fig. 8



900

Fig. 9a



901

Fig. 9b

20/23

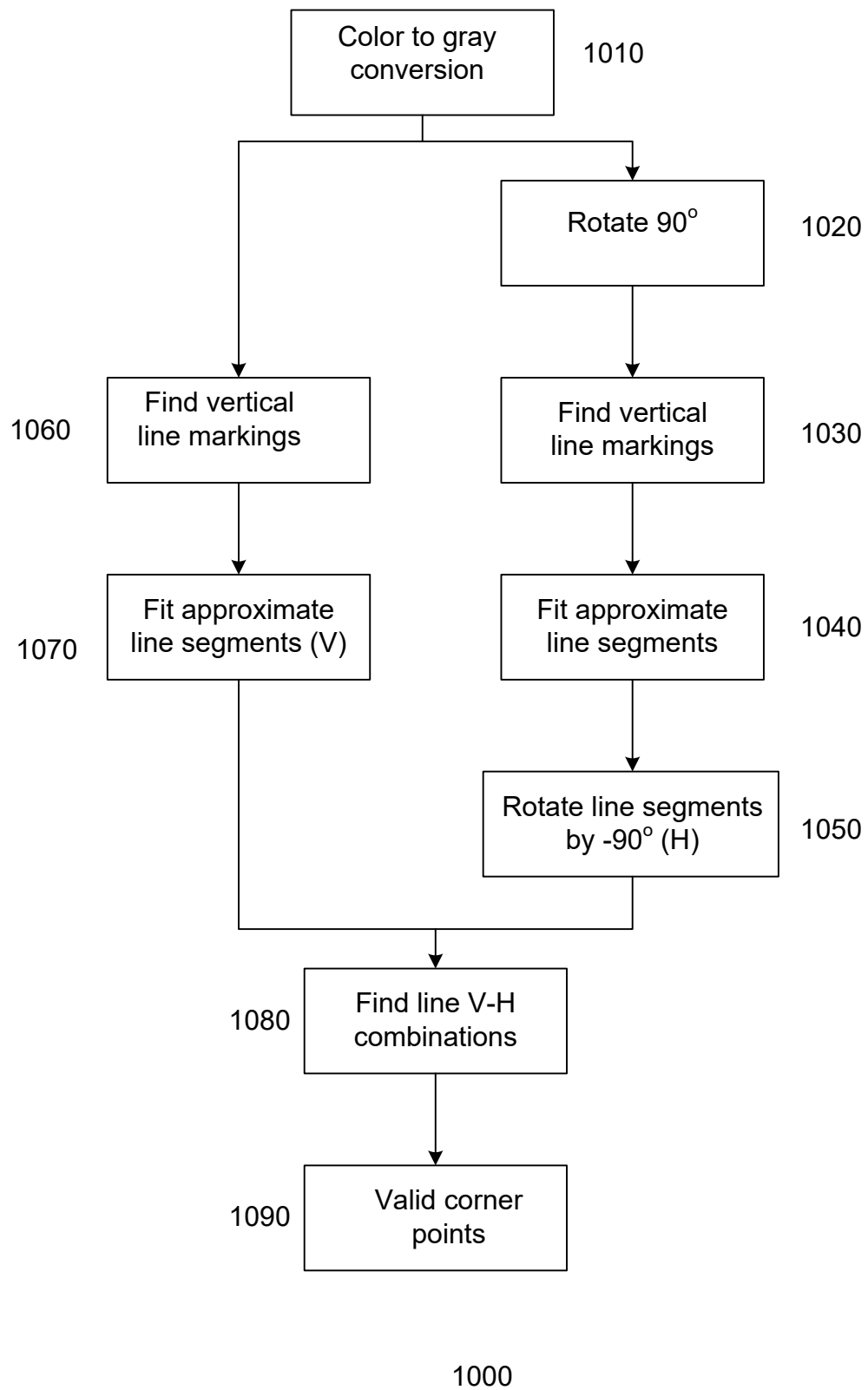


Fig. 10a

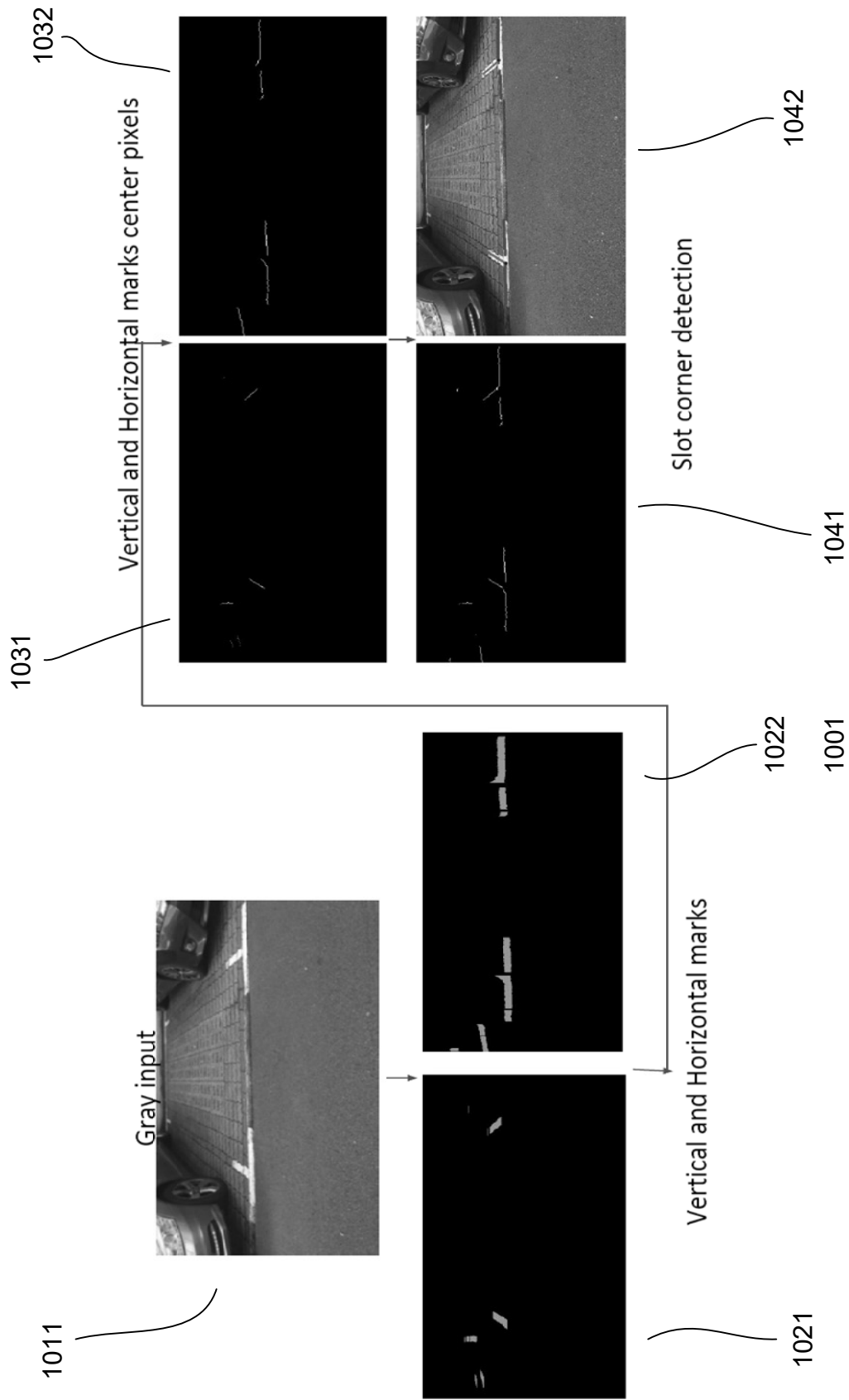


Fig. 10b

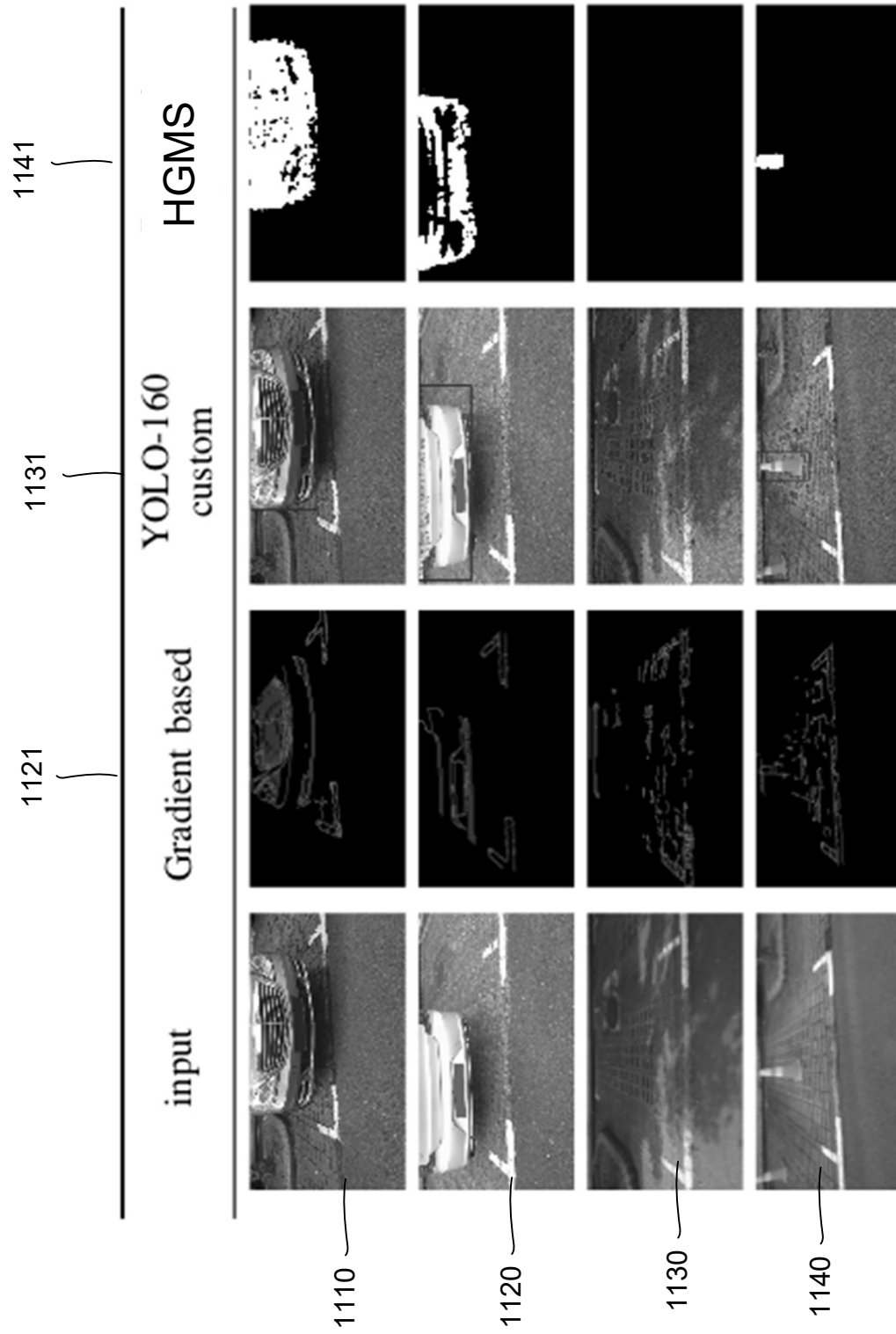


Fig. 11a

Method	Precision	Recall	F1 Score
Gradient	0.91	0.75	0.82
YOLO-160 default	0.81	1.0	0.89
YOLO-160 custom	0.96	1.0	0.98
HGMS	0.98	0.95	0.97

Fig. 11b