

Drawings

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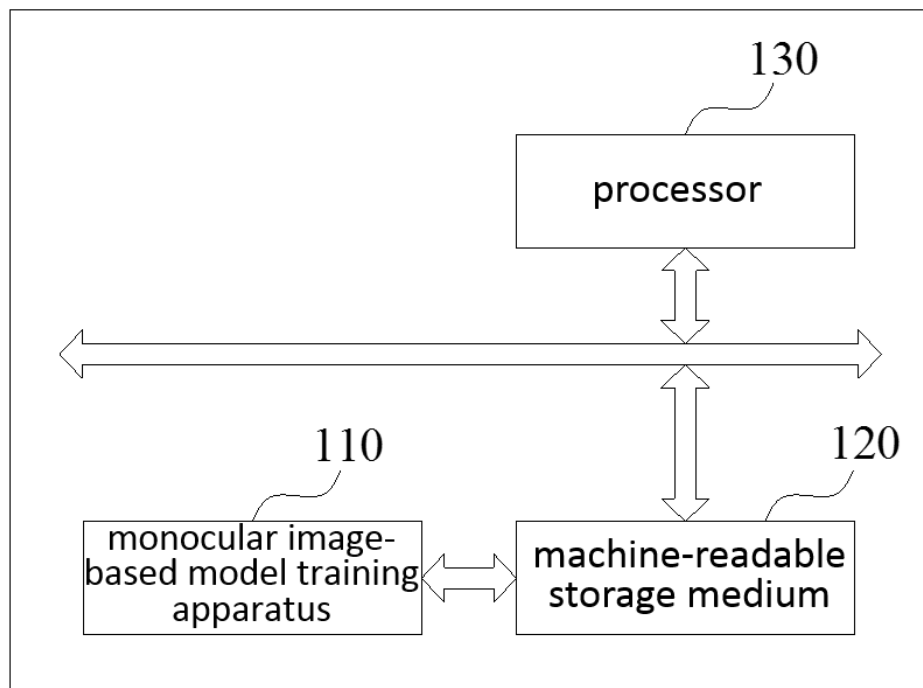


FIG. 1

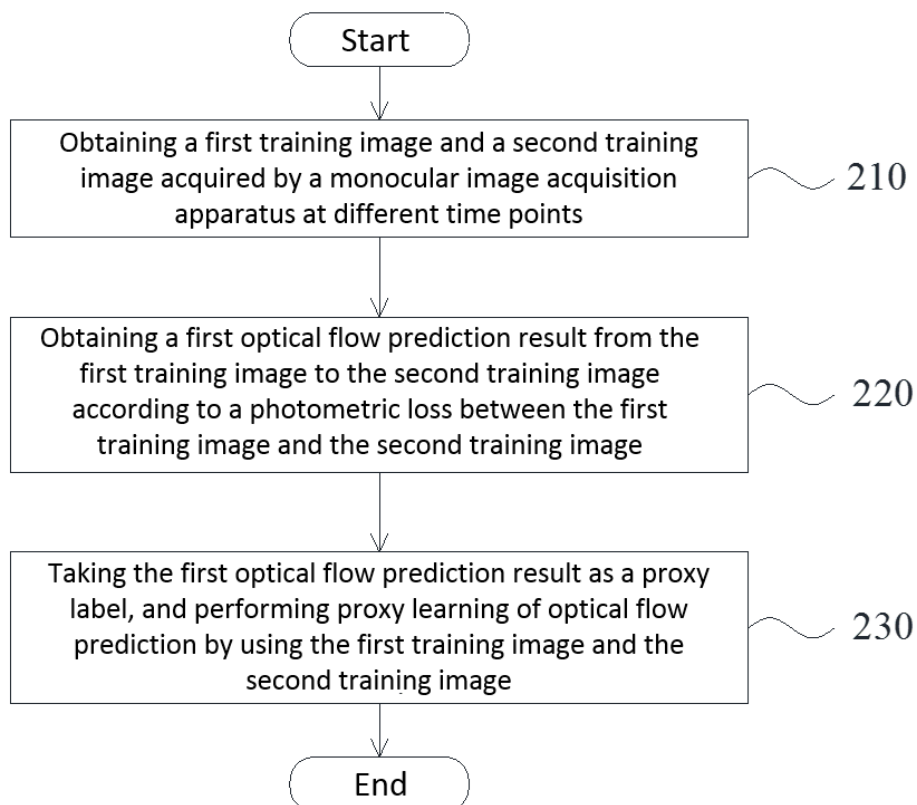


FIG. 2

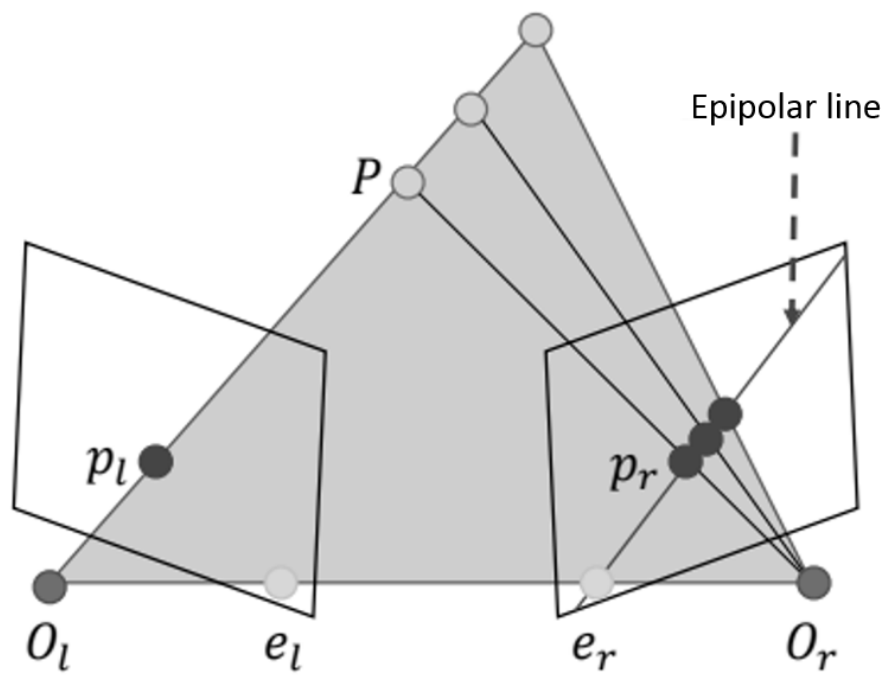


FIG. 3

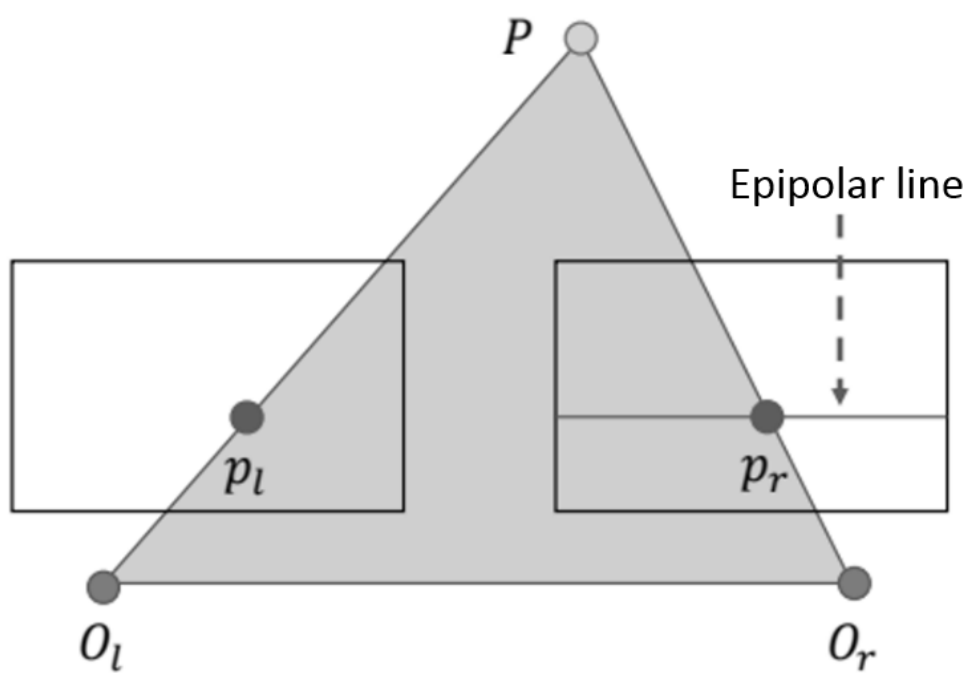


FIG. 4

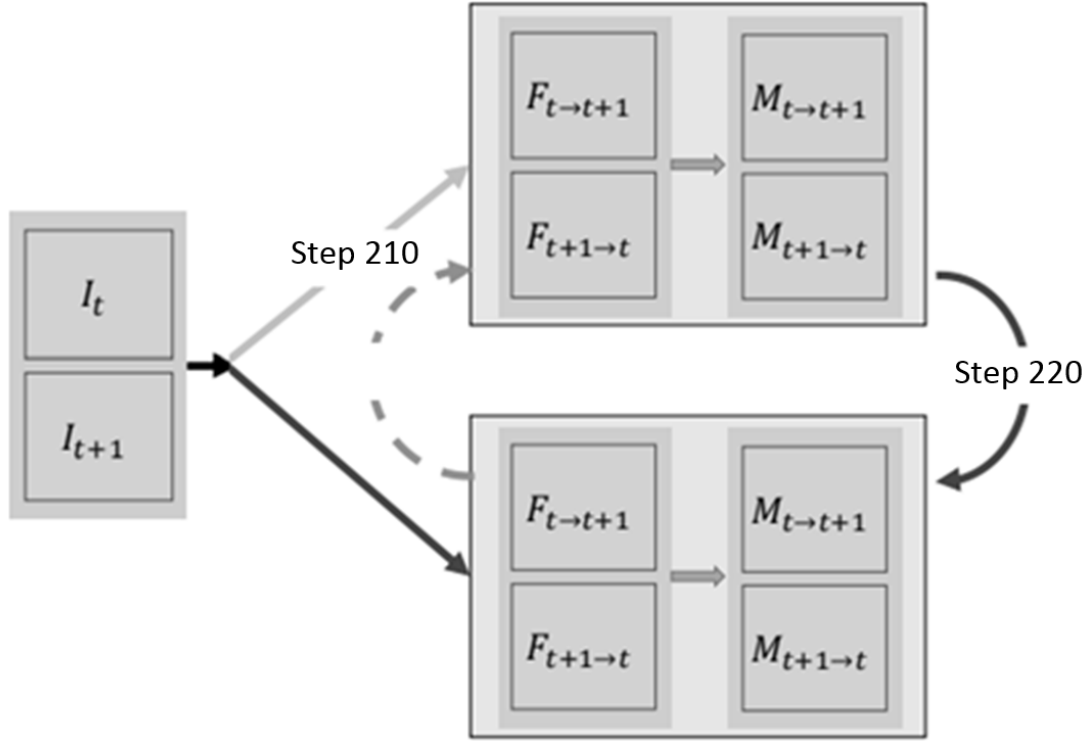


FIG. 5

Method		KITTI 2012						KITTI 2015				
		train		test				train		test		
		EPE-all	EPE-noc	EPE-all	EPE-noc	Fl-all	Fl-noc	EPE-all	EPE-noc	Fl-all	Fl-fg	Fl-bg
Supervise	FlowNetS+ft	7.52	-	9.1	-	44.49%	-	-	-	-	-	-
	SpyNet+ft	3.36	-	4.1	2.0	20.97%	12.31%	-	-	35.07%	43.62%	33.36%
	FlowFieldsCNN+ft	-	-	3.0	1.2	13.01%	4.89%	-	-	18.68%	20.42%	18.33%
	DCFlow	-	-	-	-	-	-	-	-	14.86%	23.70%	13.10%
	FlowNet2+ft	(1.28)		1.8	1.0	8.80%	4.82%	(2.3)	-	10.41%	8.75%	10.75%
	UnFlow-CSS+ft	(1.14)	(0.66)	1.7	0.9	8.42%	4.28%	(1.86)	-	11.11%	15.93%	10.15%
	ProfFlow+ft	(1.89)	-	2.1	1.1	7.88%	4.49%	(5.22)	-	15.04%	20.91%	13.86%
	LiteFlowNet+ft	(1.05)	-	1.6	0.8	7.27%	3.27%	(1.62)	-	9.38%	7.99%	9.66%
	PWC-Net+ft	(1.45)	-	1.7	0.9	8.10%	4.22%	(2.16)	-	9.60%	9.31%	9.66%
MFF+ft	-	-	1.7	0.9	7.87%	4.19%	-	-	7.17%	7.25%	7.15%	
Unsupervise	BackToBasic+ft	11.3	4.3	9.9	4.6	43.15%	34.85%	-	-	-	-	-
	DSTFlow+ft	10.43	3.29	12.4	4.0	-	-	16.79	6.96	39%	-	-
	UnFlow-CSS+ft	3.29	1.26	-	-	-	-	8.10	-	23.30%	-	-
	OccAwareFlow-ft	3.55	-	4.2	-	-	-	8.88	-	31.2%	-	-
	MultiFrameOccFlow-None+ft	-	-	-	-	-	-	6.65	3.24	-	-	-
	MultiFrameOccFlow-Soft+ft	-	-	-	-	-	-	6.59	3.22	22.94%	-	-
	DDFlow+ft	2.35	1.02	3.0	1.1	8.86%	4.57%	5.72	-	14.29%	20.40%	13.08%
	Ours-no-proxy	4.45	0.99	-	-	-	-	8.30	2.91	-	-	-
	Ours-proxy	1.61	0.88	2.0	1.0	7.91%	4.26%	3.98	2.32	11.49%	18.48%	10.09%

FIG. 6

Method	KITTI 2012						KITTI 2015					
	EPE-all	EPE-noc	EPE-occ	D1-all	D1-noc	D1-occ	EPE-all	EPE-noc	EPE-occ	D1-all	D1-noc	D1-occ
Godard <i>et al.</i>	2.12	1.44	30.910	10.41	8.33	98.98	1.96	1.53	24.66	10.86	9.22	97.99
Zhou <i>et al.</i>	-	-	-	-	-	-	-	-	-	9.91	8.61	-
SeqStereo	2.37	1.63	33.62	9.64	7.89	84.13	1.84	1.46	26.07	8.79	7.7	72.2
Guo <i>et al.</i>	1.16	1.09	4.14	6.45	5.82	33.28	1.71	1.67	4.06	7.06	6.75	23.49
Ours-no-proxy	1.71	1.12	26.72	7.99	6.05	90.79	1.86	1.39	27.12	9.31	7.66	97.28
Ours-proxy	1.07	1.00	4.04	5.11	4.63	25.86	1.38	1.33	4.23	6.93	6.54	28.01
Ours-proxy+ft	0.98	0.92	2.81	4.86	4.42	19.24	1.24	1.21	2.87	6.21	5.94	20.63

FIG. 7

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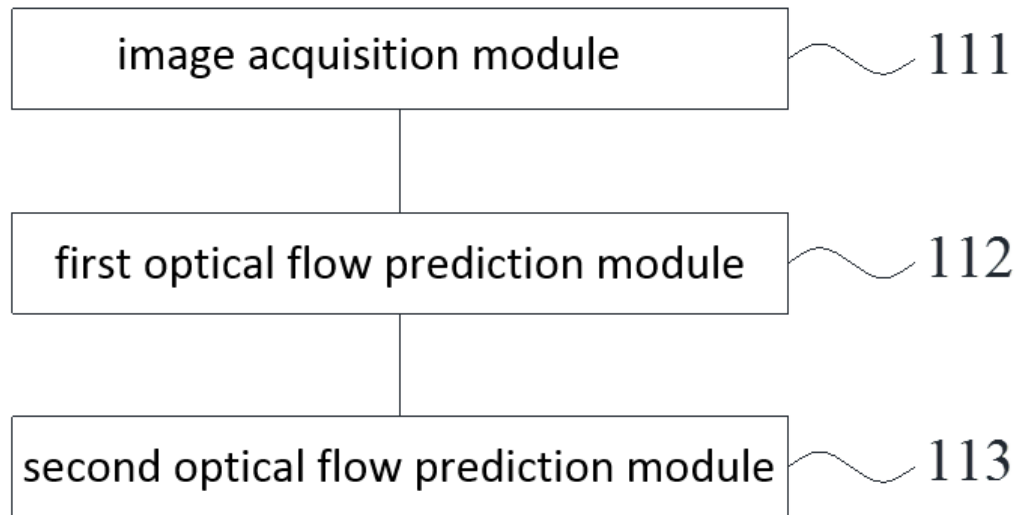


FIG. 8