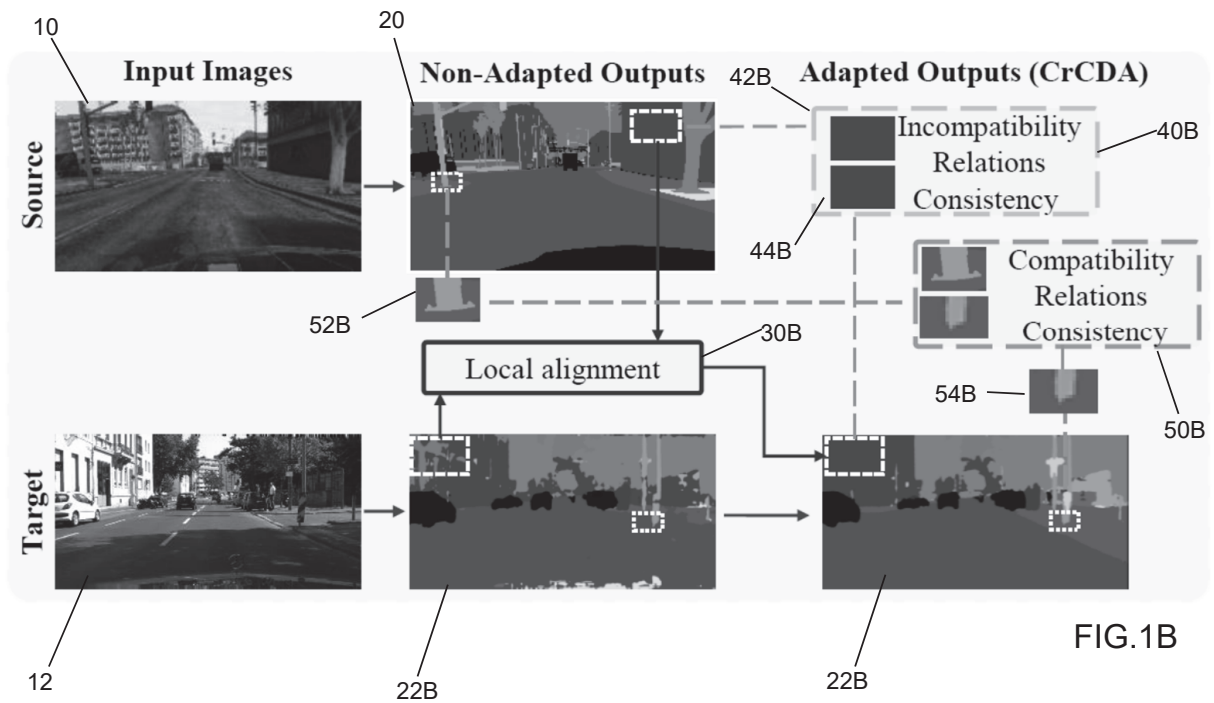
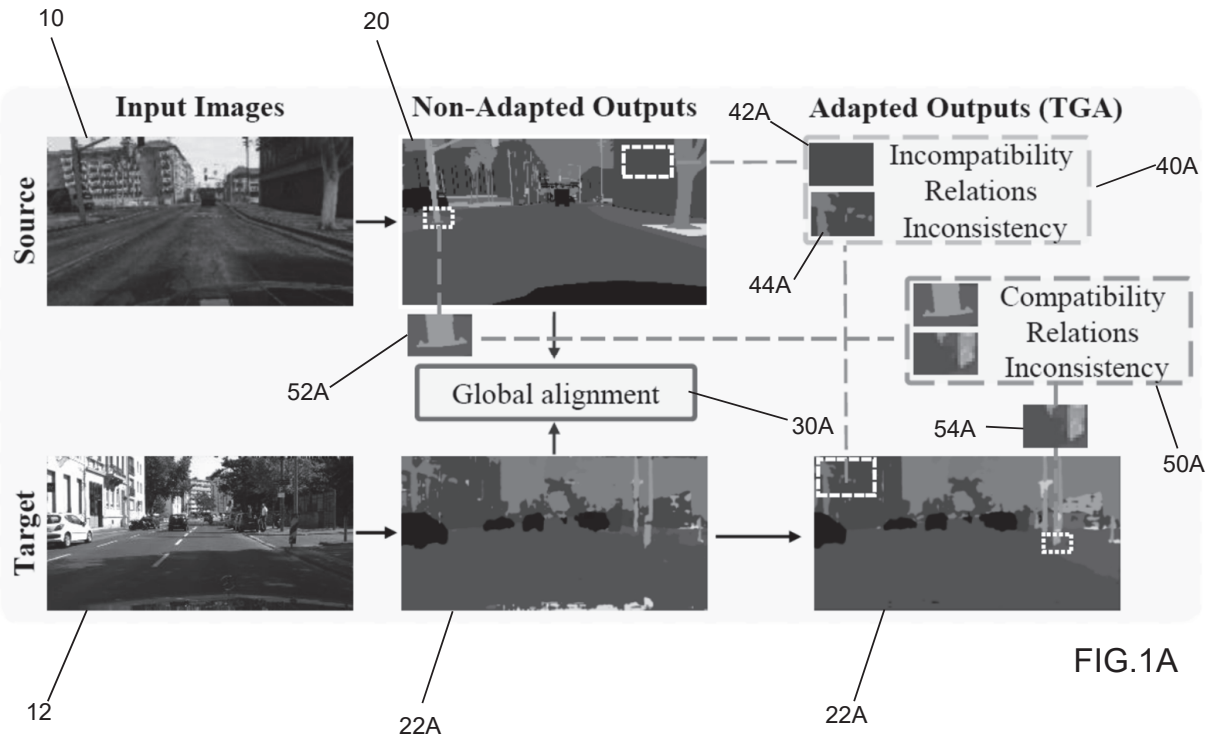




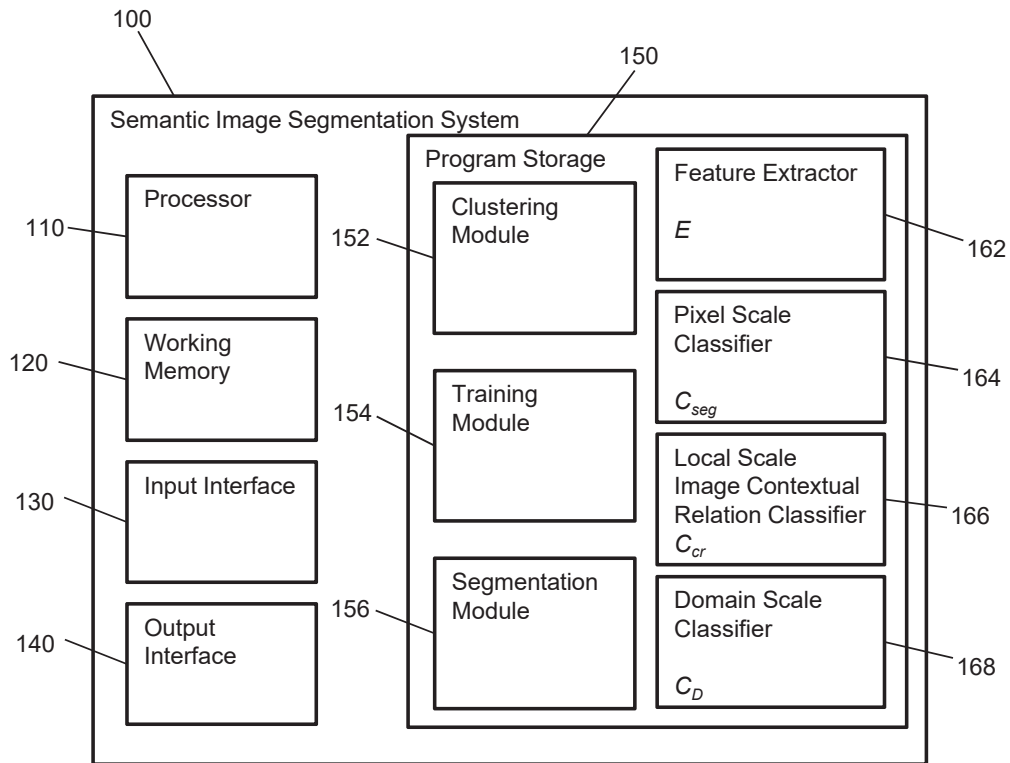


FIG.2

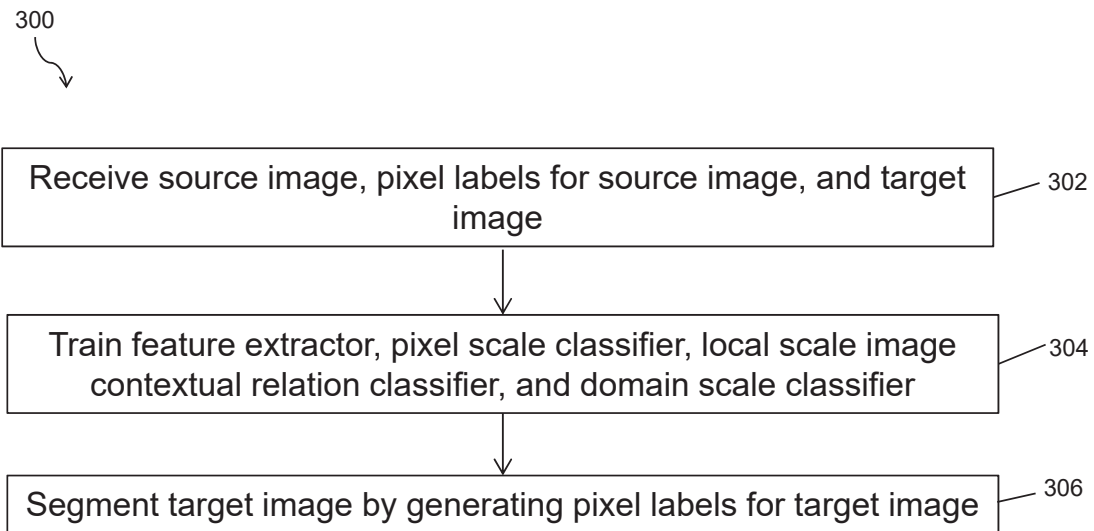


FIG.3

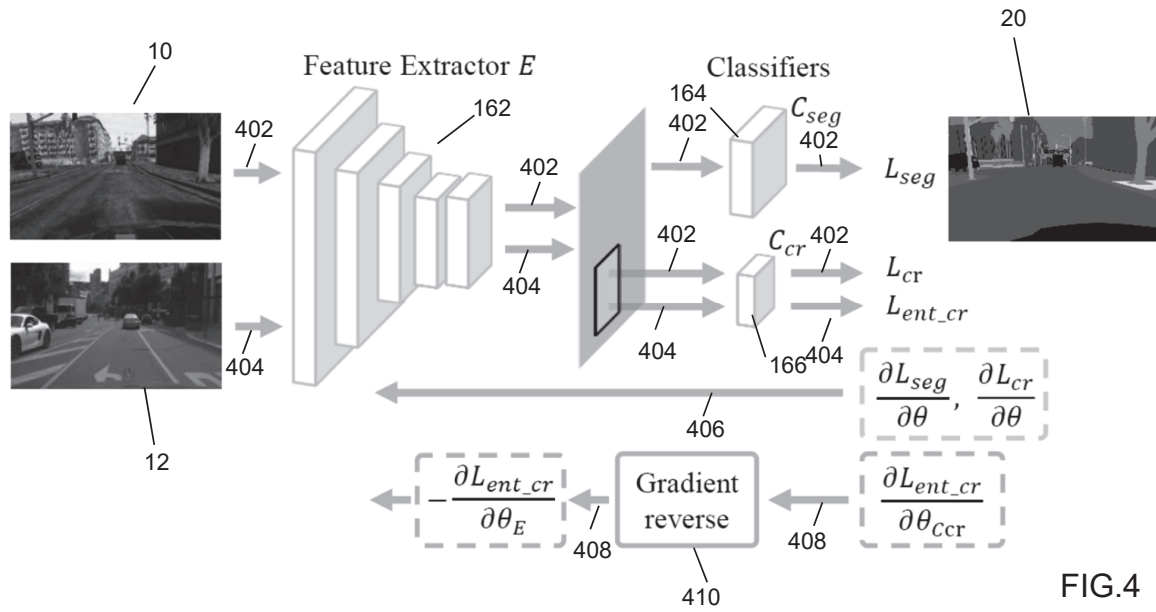


FIG.4

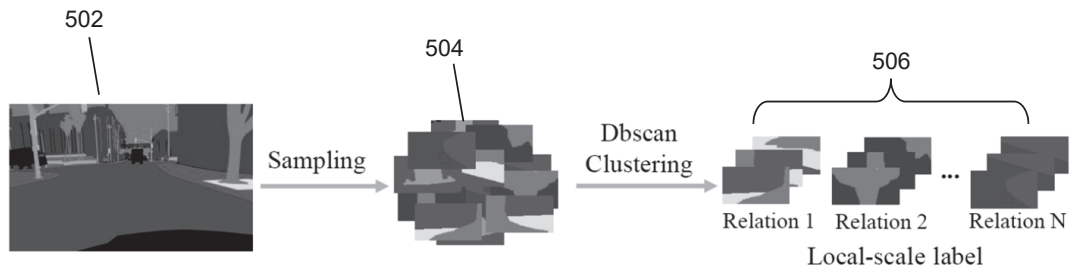


FIG.5A

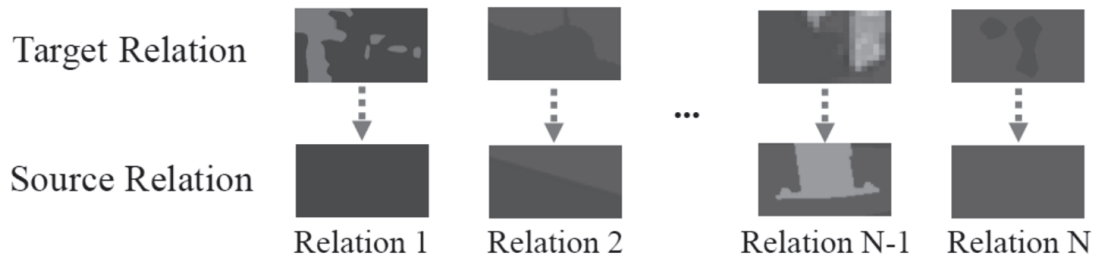


FIG.5B

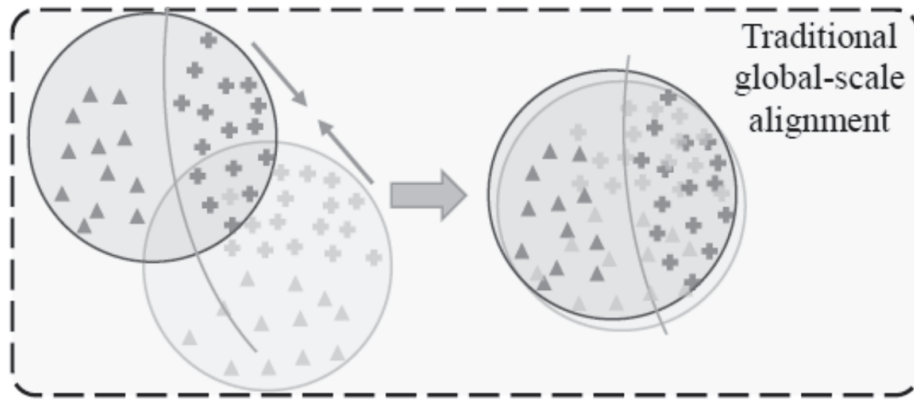


FIG.6A

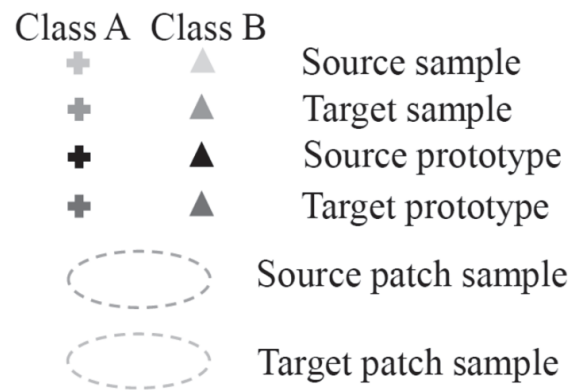


FIG.6B

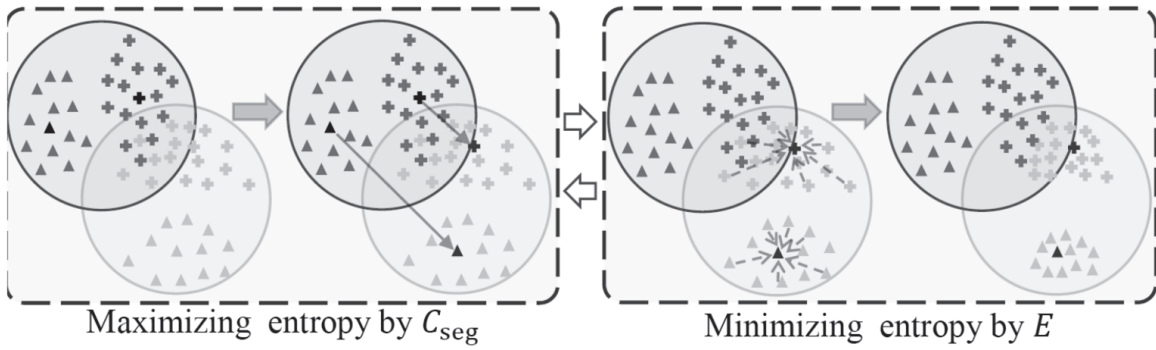


FIG.6C

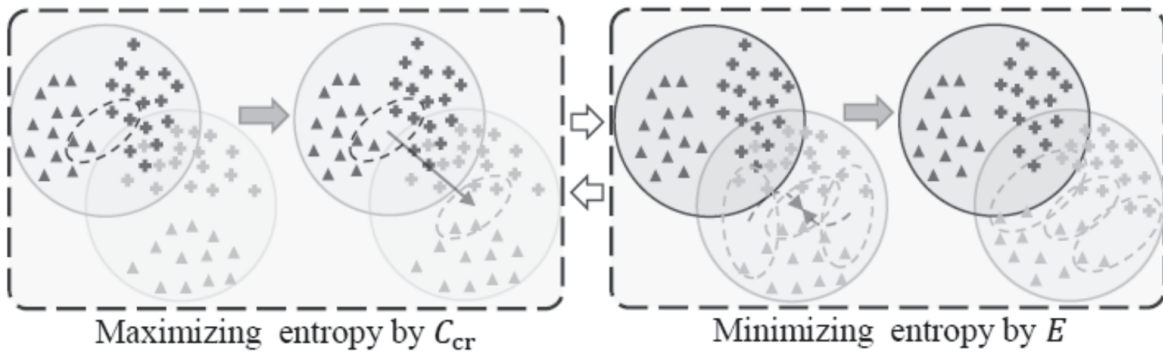


FIG.6D

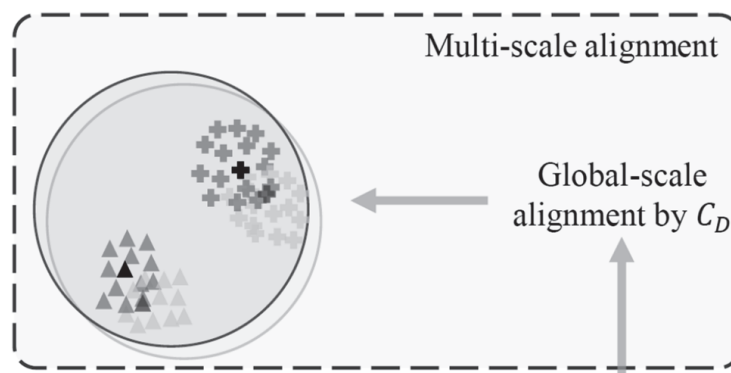


FIG.6E

GTA5 → Cityscapes																					
Networks	Oracle	road	side.	build.	wall	fence	pole	light	sign	vege.	terr.	sky	pers.	rider	car	truck	bus	train	motor	bike	mIoU
FCN Wild	V	70.4	32.4	62.1	14.9	5.4	10.9	14.2	2.7	79.2	21.3	64.6	44.1	4.2	70.4	8.0	7.3	0.0	3.5	0.0	27.1
CDA	V	74.9	22.0	71.7	6.0	11.9	8.4	16.3	11.1	75.7	13.3	66.5	38.0	9.3	55.2	18.8	18.9	0.0	16.8	14.6	28.9
CyCADA	V	83.5	38.3	76.4	20.6	16.5	22.2	26.2	21.9	80.4	28.7	65.7	49.4	4.2	74.6	16.0	26.6	2.0	8.0	0.0	34.8
AdaptSeg	V	87.3	29.8	78.6	21.1	18.2	22.5	21.5	11.0	79.7	29.6	71.3	46.8	6.5	80.1	23.0	26.9	0.0	10.6	0.3	35.0
CBST	V	66.7	26.8	73.7	14.8	9.5	28.3	25.9	10.1	75.5	15.7	51.6	47.2	6.2	71.9	3.7	2.2	5.4	18.9	32.4	30.9
CLAN	V	88.0	30.6	79.2	23.4	20.5	26.1	23.0	14.8	81.6	34.5	72.0	45.8	7.9	80.5	26.6	29.9	0.0	10.7	0.0	36.6
AdvEnt	V	86.9	28.7	78.7	28.5	25.2	17.1	20.3	10.9	80.0	26.4	70.2	47.1	8.4	81.5	26.0	17.2	18.9	11.7	1.6	36.1
PatAlign	V	87.3	35.7	79.5	32.0	14.5	21.5	24.8	13.7	80.4	32.0	70.5	50.5	16.9	81.0	20.8	28.1	4.1	15.5	4.1	37.5
CrCDA (ours)	V	86.8	37.5	80.4	30.7	18.1	26.8	25.3	15.1	81.5	30.9	72.1	52.8	19.0	82.1	25.4	29.2	10.1	15.8	3.7	39.1
AdaptSeg	R	86.5	36.0	79.9	23.4	23.3	23.9	35.2	14.8	83.4	33.3	75.6	58.5	27.6	73.7	32.5	35.4	3.9	30.1	28.1	42.4
CBST	R	91.8	53.5	80.5	32.7	21.0	34.0	28.9	20.4	83.9	34.2	80.9	53.1	24.0	82.7	30.3	35.9	16.0	25.9	42.8	45.9
CLAN	R	87.0	27.1	79.6	27.3	23.3	28.3	35.5	24.2	83.6	27.4	74.2	58.6	28.0	76.2	33.1	36.7	6.7	31.9	31.4	43.2
AdvEnt	R	89.4	33.1	81.0	26.6	26.8	27.2	33.5	24.7	83.9	36.7	78.8	58.7	30.5	84.8	38.5	44.5	1.7	31.6	32.4	45.5
MaxSquare	R	89.4	43.0	82.1	30.5	21.3	30.3	34.7	24.0	85.3	39.4	78.2	63.0	22.9	84.6	36.4	43.0	5.5	34.7	33.5	46.4
PatAlign	R	92.3	51.9	82.1	29.2	25.1	24.5	33.8	33.0	82.4	32.8	82.2	58.6	27.2	84.3	33.4	46.3	2.2	29.5	32.3	46.5
CRST	R	91.0	55.4	80.0	33.7	21.4	37.3	32.9	24.5	85.0	34.1	80.8	57.7	24.6	84.1	27.8	30.1	26.9	26.0	42.3	47.1
CrCDA (ours)	R	92.4	55.3	82.3	31.2	29.1	32.5	33.2	35.6	83.5	34.8	84.2	58.9	32.2	84.7	40.6	46.1	2.1	31.1	32.7	48.6

FIG.7

SYNTHIA $\rightarrow$ Cityscapes																			
Networks	Oracle	road	side.	build.	wall	fence	pole	light	sign	vege.	sky	pers.	rider	car	bus	motor	bike	mIoU	mIoU*
FCNs Wild	V	11.5	19.6	30.8	4.4	0.0	20.3	0.1	11.7	42.3	68.7	51.2	3.8	54.0	3.2	0.2	0.6	20.2	22.1
CDA	V	65.2	26.1	74.9	0.1	0.5	10.7	3.7	3.0	76.1	70.6	47.1	8.2	43.2	20.7	0.7	13.1	29.0	34.8
AdaptSeg	V	78.9	29.2	75.5	-	-	-	0.1	4.8	72.6	76.7	43.4	8.8	71.1	16.0	3.6	8.4	-	37.6
CBST	V	69.6	28.7	69.5	12.1	0.1	25.4	11.9	13.6	82.0	81.9	49.1	14.5	66.0	6.6	3.7	32.4	35.4	36.1
CLAN	V	80.4	30.7	74.7	-	-	-	1.4	8.0	77.1	79.0	46.5	8.9	73.8	18.2	2.2	9.9	-	39.3
AdvEnt	V	67.9	29.4	71.9	6.3	0.3	19.9	0.6	2.6	74.9	74.9	35.4	9.6	67.8	21.4	4.1	15.5	31.4	36.6
PatAlign	V	72.6	29.5	77.2	3.5	0.4	21.0	1.4	7.9	73.3	79.0	45.7	14.5	69.4	19.6	7.4	16.5	33.7	39.6
CrCDA (ours)	V	74.5	30.5	78.6	6.6	0.7	21.2	2.3	8.4	77.4	79.1	45.9	16.5	73.1	24.1	9.6	14.2	35.2	41.1
AdaptSeg	R	84.3	42.7	77.5	-	-	-	4.7	7.0	77.9	82.5	54.3	21.0	72.3	32.2	18.9	32.3	-	46.7
CLAN	R	81.3	37.0	80.1	-	-	-	16.1	13.7	78.2	81.5	53.4	21.2	73.0	32.9	22.6	30.7	-	47.8
AdvEnt	R	85.6	42.2	79.7	8.7	0.4	25.9	5.4	8.1	80.4	84.1	57.9	23.8	73.3	36.4	14.2	33.0	41.2	48.0
MaxSquare	R	82.9	40.7	80.3	10.2	0.8	25.8	12.8	18.2	82.5	82.2	53.1	18.0	79.0	31.4	10.4	35.6	41.4	48.2
PatAlign	R	82.4	38.0	78.6	8.7	0.6	26.0	3.9	11.1	75.5	84.6	53.5	21.6	71.4	32.6	19.3	31.7	40.0	46.5
CrCDA (ours)	R	86.2	44.9	79.5	8.3	0.7	27.8	9.4	11.8	78.6	86.5	57.2	26.1	76.8	39.9	21.5	32.1	42.9	50.0

FIG.8

Method	pixel-scale Ada.		local-scale Ada.		global-scale Ada.				mIoU
	L_{minent}	L_{ent}^{ours}	L_{minent}	L_{ent}^{ours}	L_{adv}	L_{patadv}	L_{advent}	L_D^{ours}	
Without Ada.									36.6
MinEnt	✓								42.4
Pixel-AEMM		✓							43.8
CrCDA*-MinEnt			✓						42.1
CrCDA*-AEMM				✓					43.7
AdaptSeg					✓				41.4
PatAlign						✓			41.3
AdvEnt							✓		43.8
Global-AEMM								✓	44.3
Pixel+CrCDA*		✓		✓					45.6
Pixel+Global		✓						✓	46.0
CrCDA*+Global				✓				✓	46.1
CrCDA		✓		✓				✓	48.6

FIG.9

Method	local-level Ada.	global Ada.				mIoU
	L_{ent}^{ours}	L_{adv}	L_{patadv}	L_{advent}	L_D^{ours}	
CrCDA* (ours)	✓					43.7
AdaptSeg		✓				41.4
PatAdv			✓			41.3
AdvEnt				✓		43.8
GlobalAlign (ours)					✓	44.3
AdaptSeg +PatAlign		✓	✓			43.2
CrCDA* + AdaptSeg	✓	✓				44.8
CrCDA* + PatAlign	✓		✓			44.7
CrCDA* + AdvEnt	✓			✓		45.2
CrCDA*+GlobalAlign (ours)	✓				✓	46.1

FIG.10

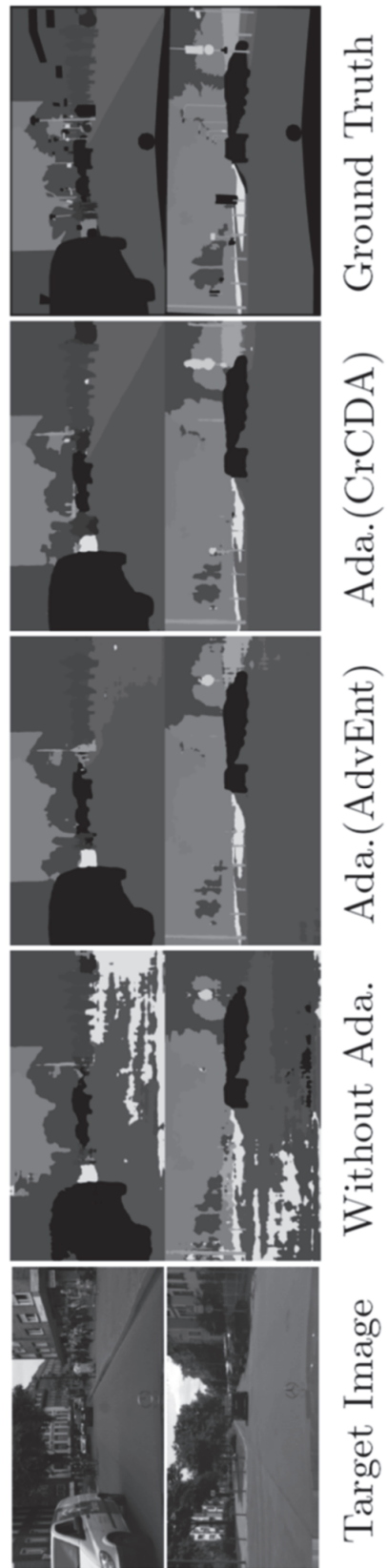


FIG.11