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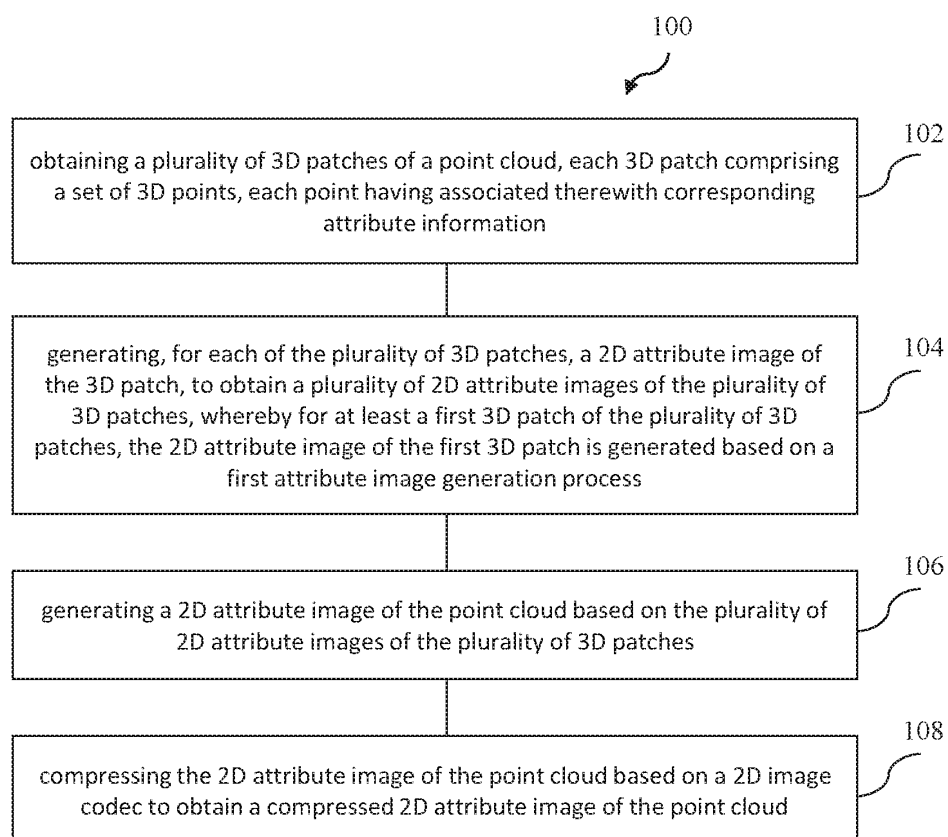


FIG. 1

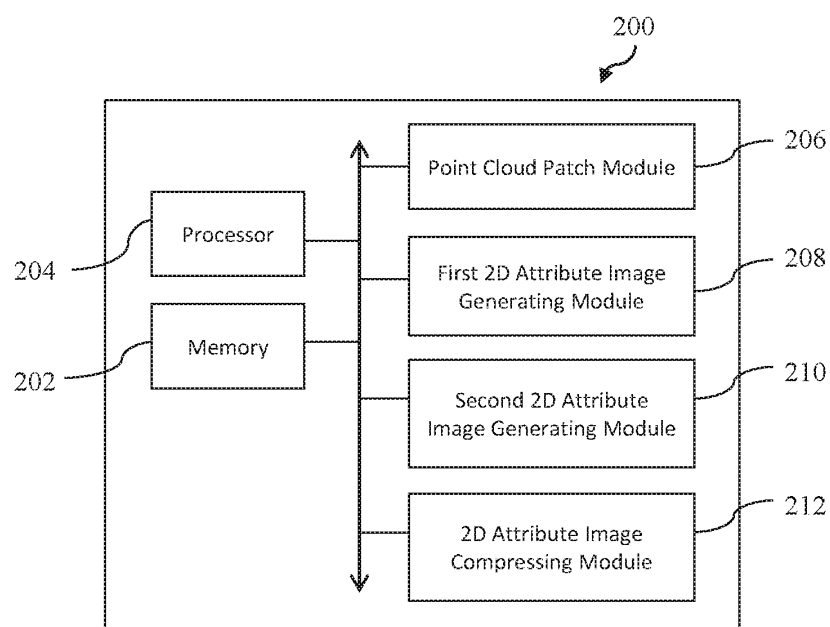


FIG. 2

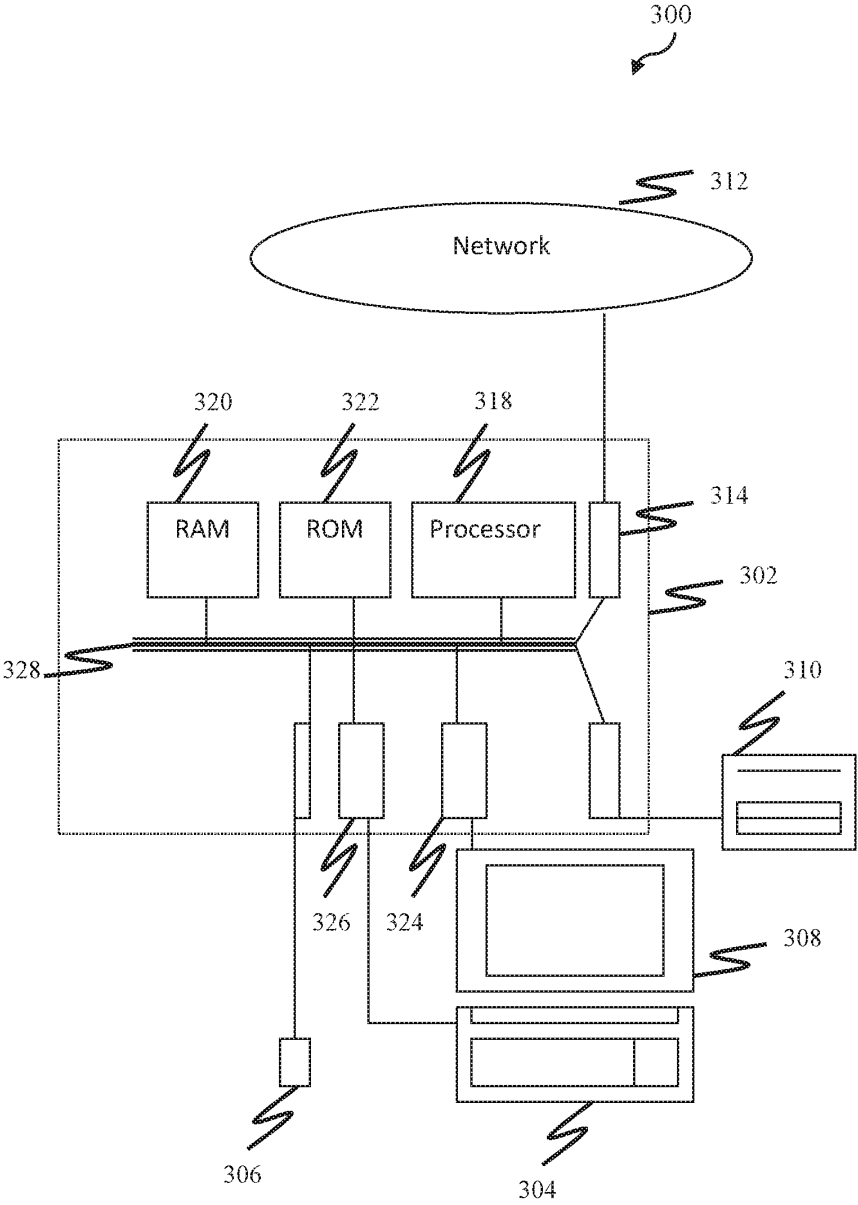


FIG. 3

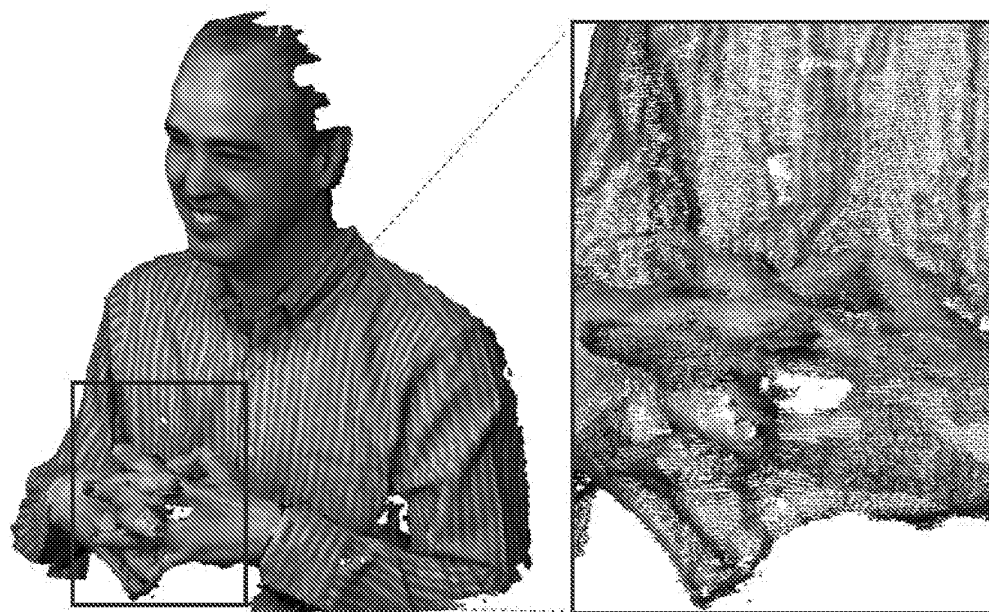


FIG. 4A

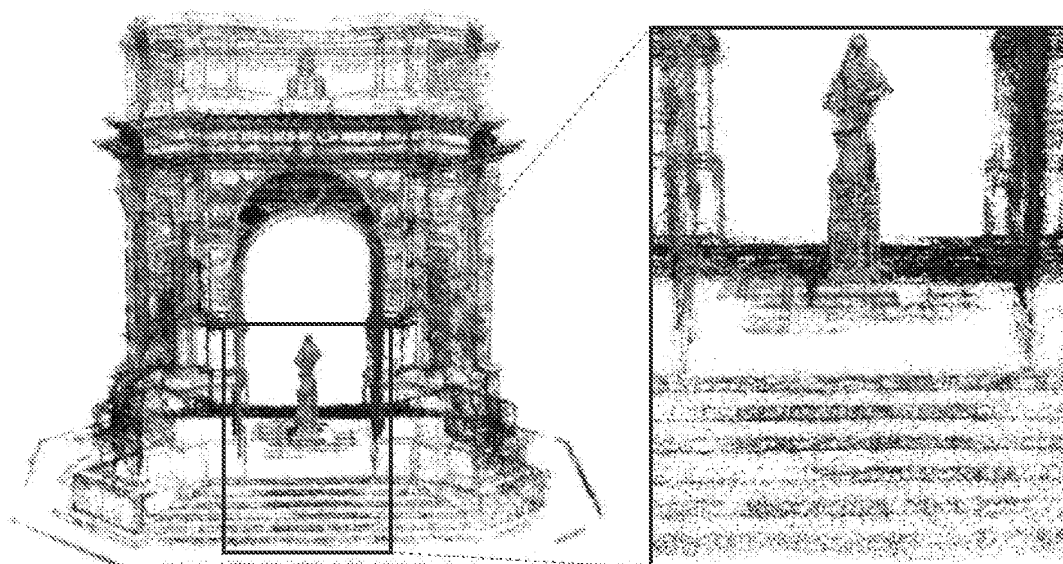


FIG. 4B

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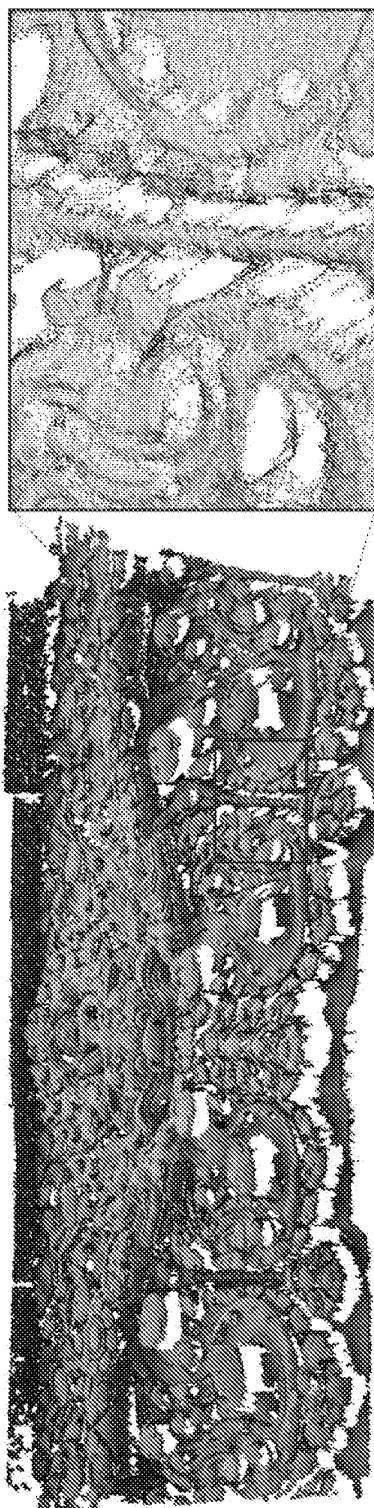


FIG. 4C

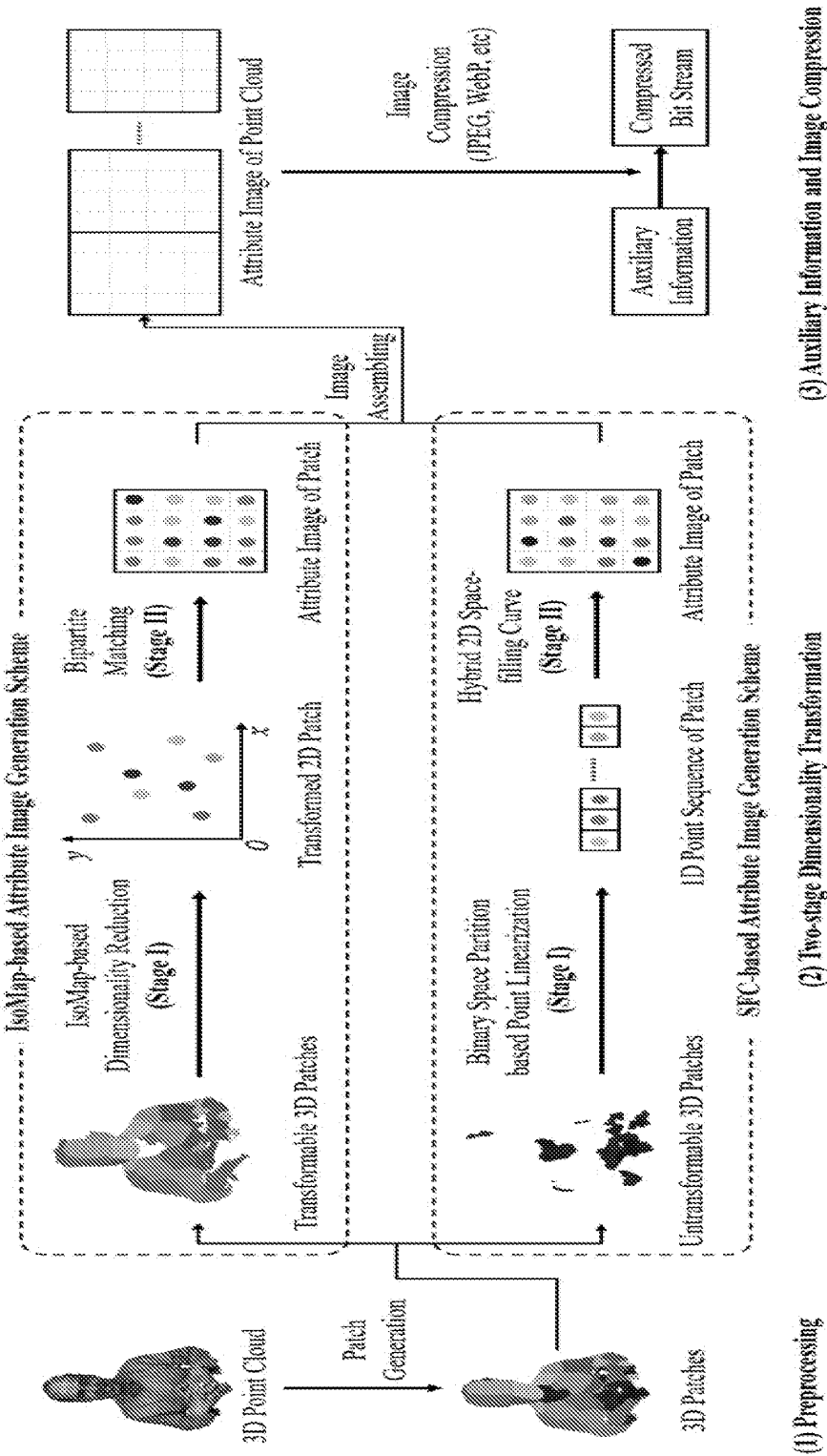
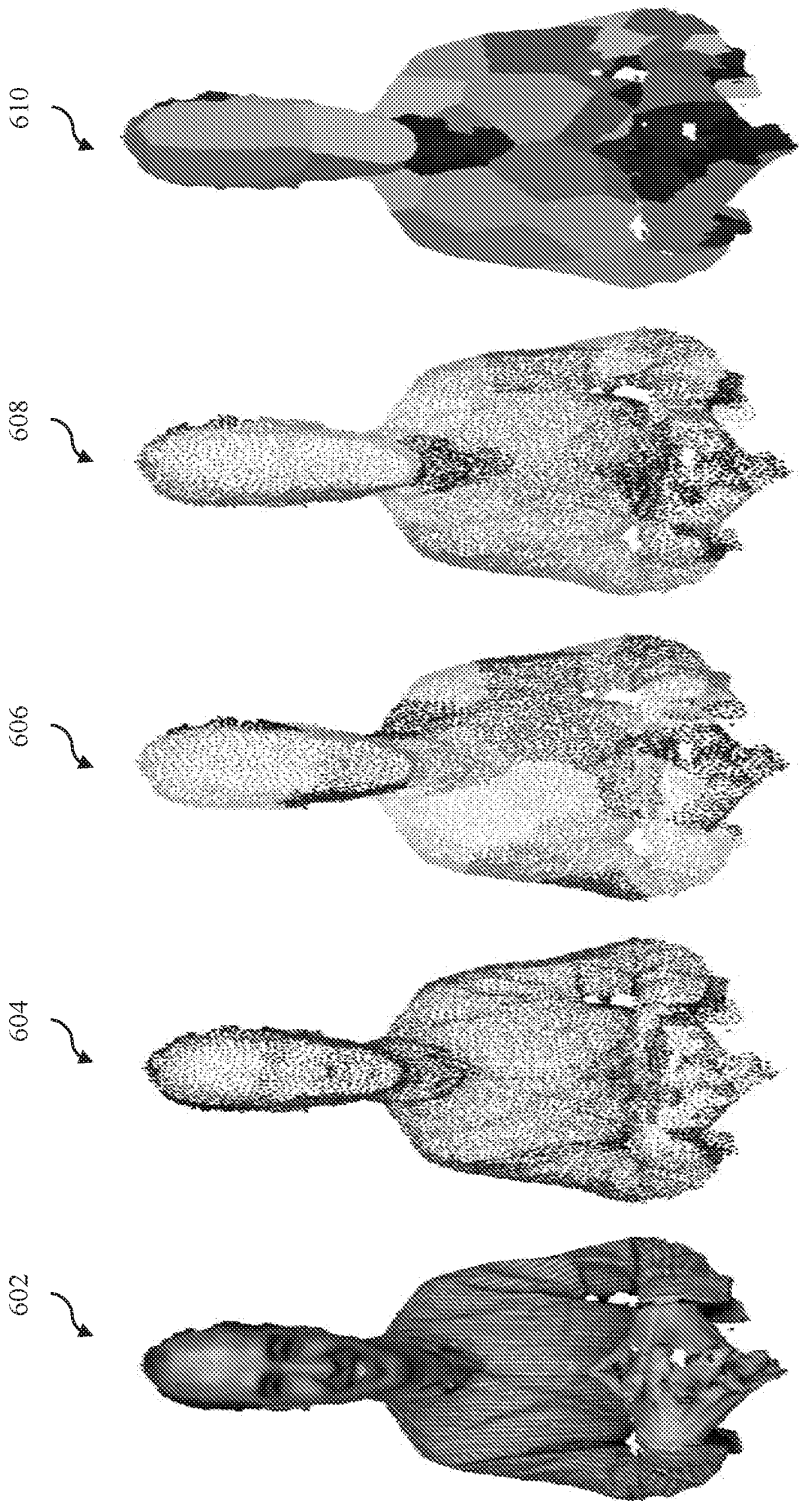


FIG. 5



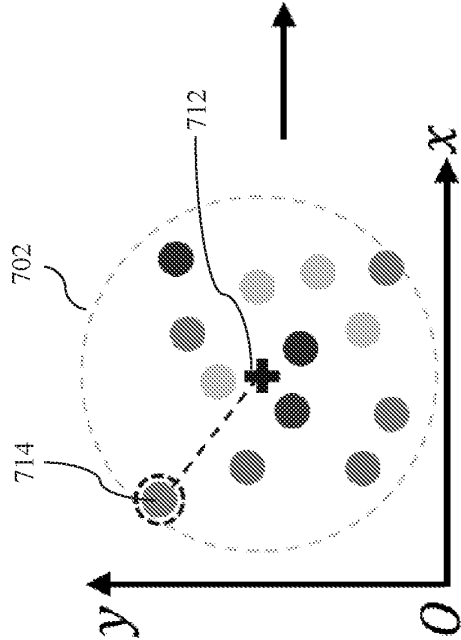


FIG. 7A

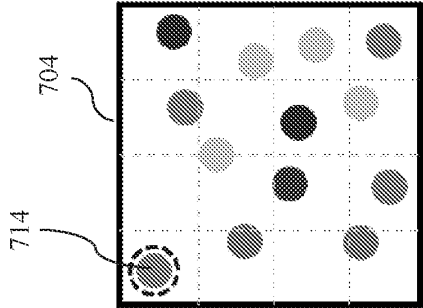


FIG. 7B

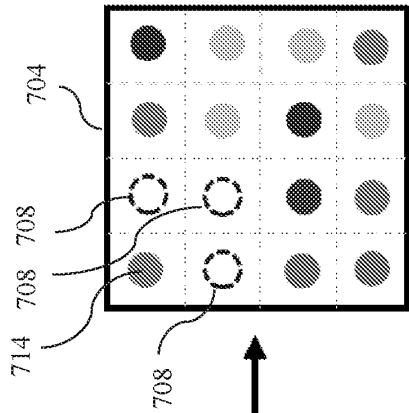


FIG. 7C

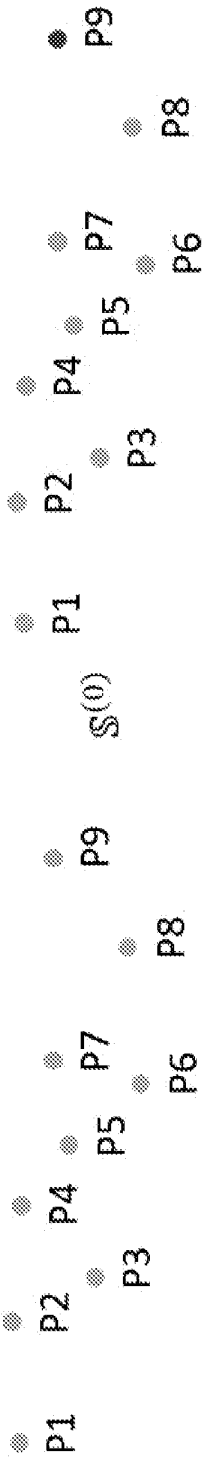


FIG. 8A

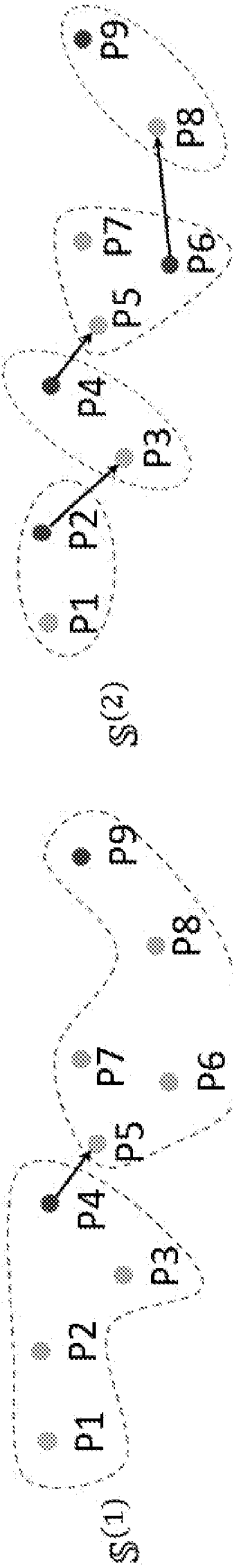


FIG. 8B

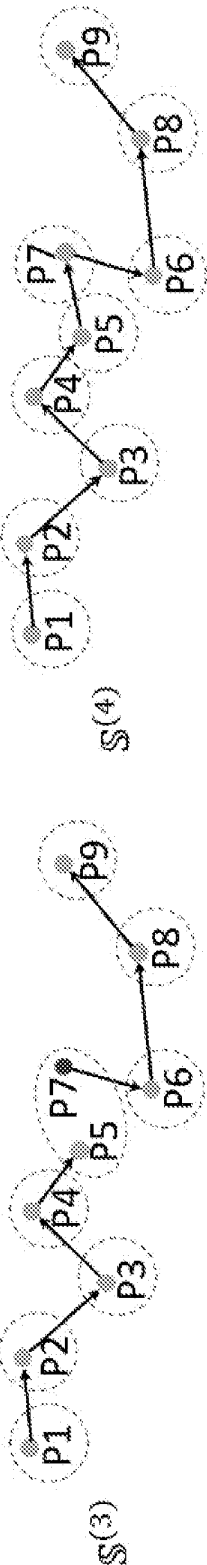


FIG. 8C



FIG. 8D

FIG. 8E

FIG. 8F

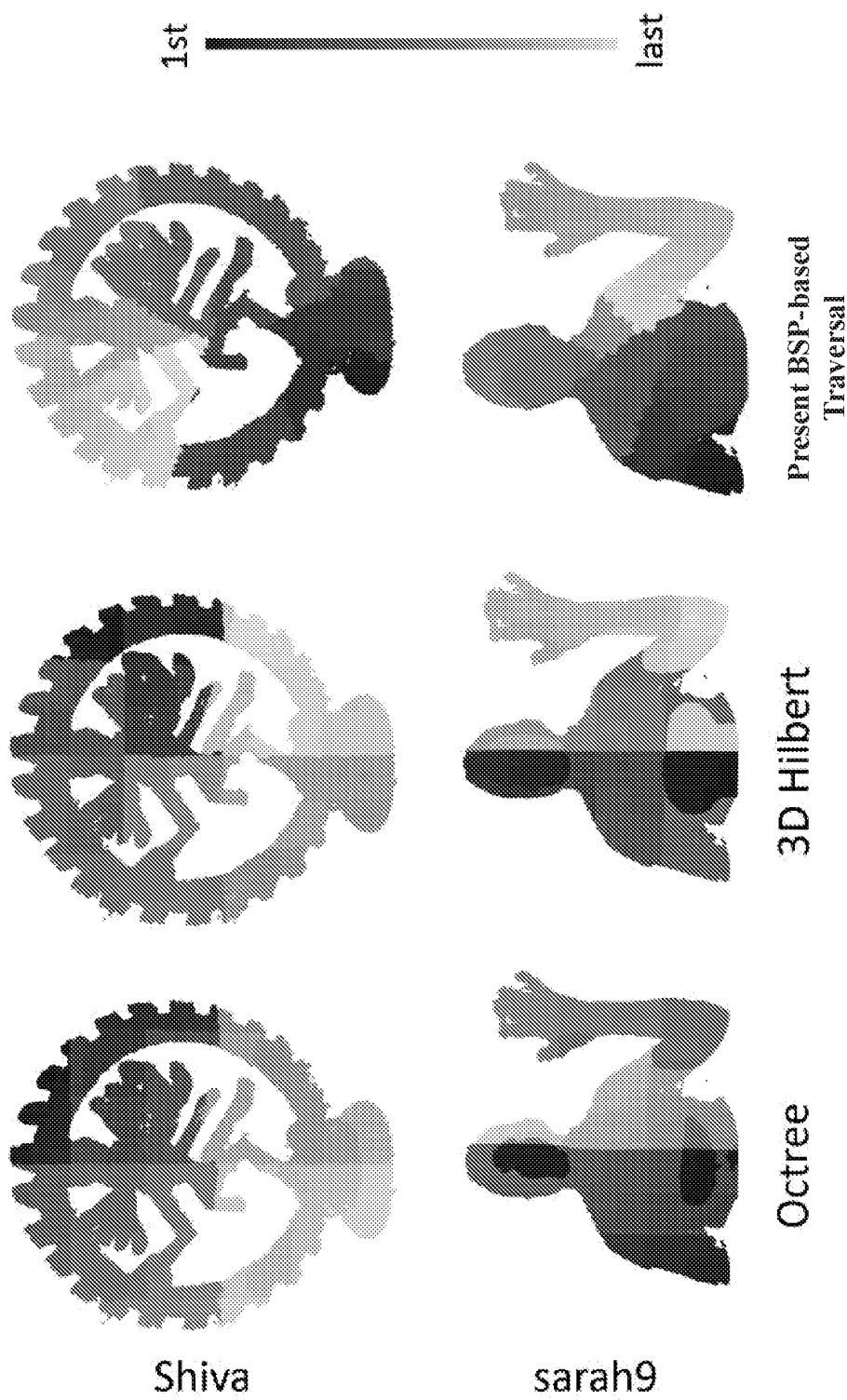


FIG. 9

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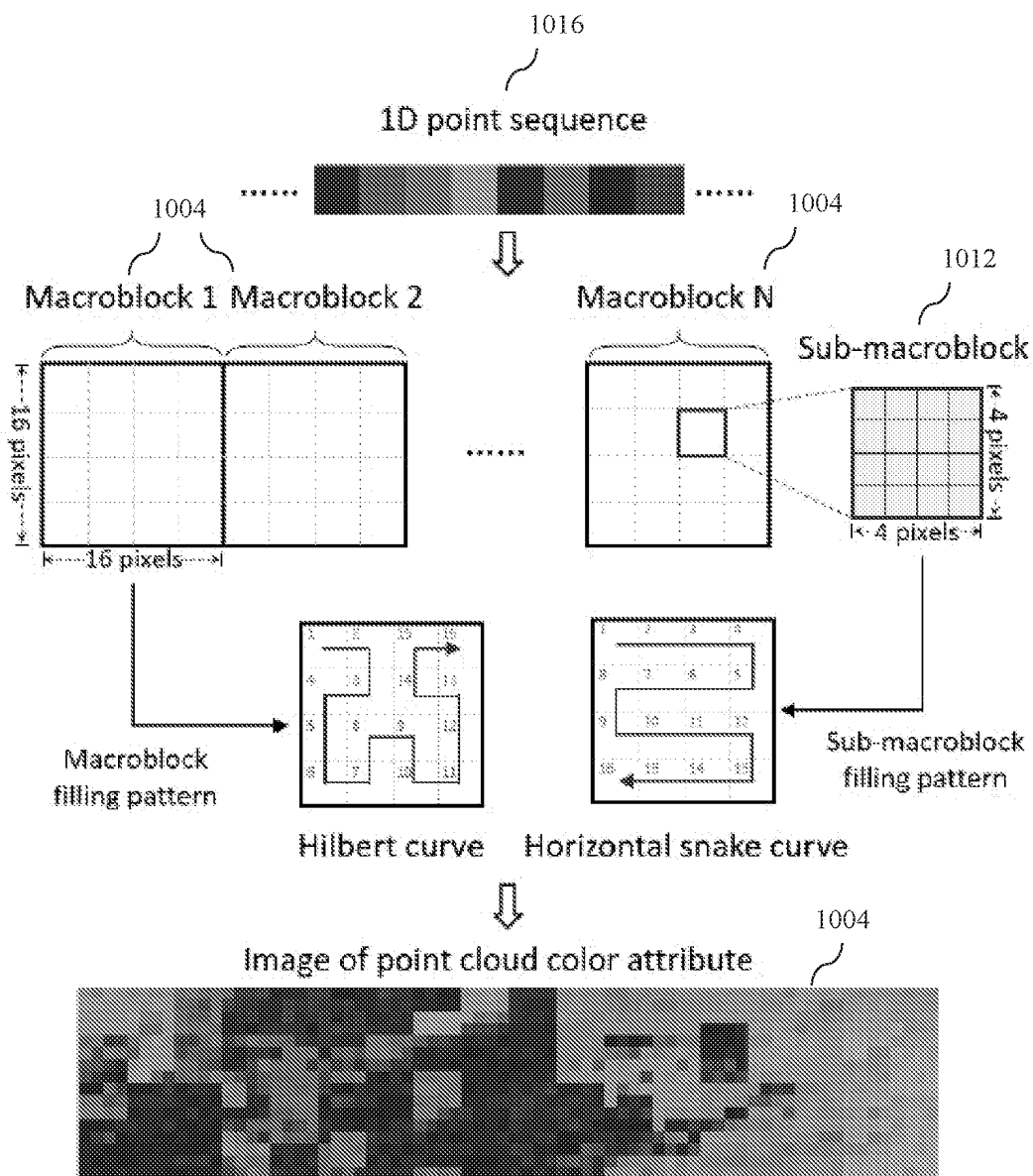


FIG. 10

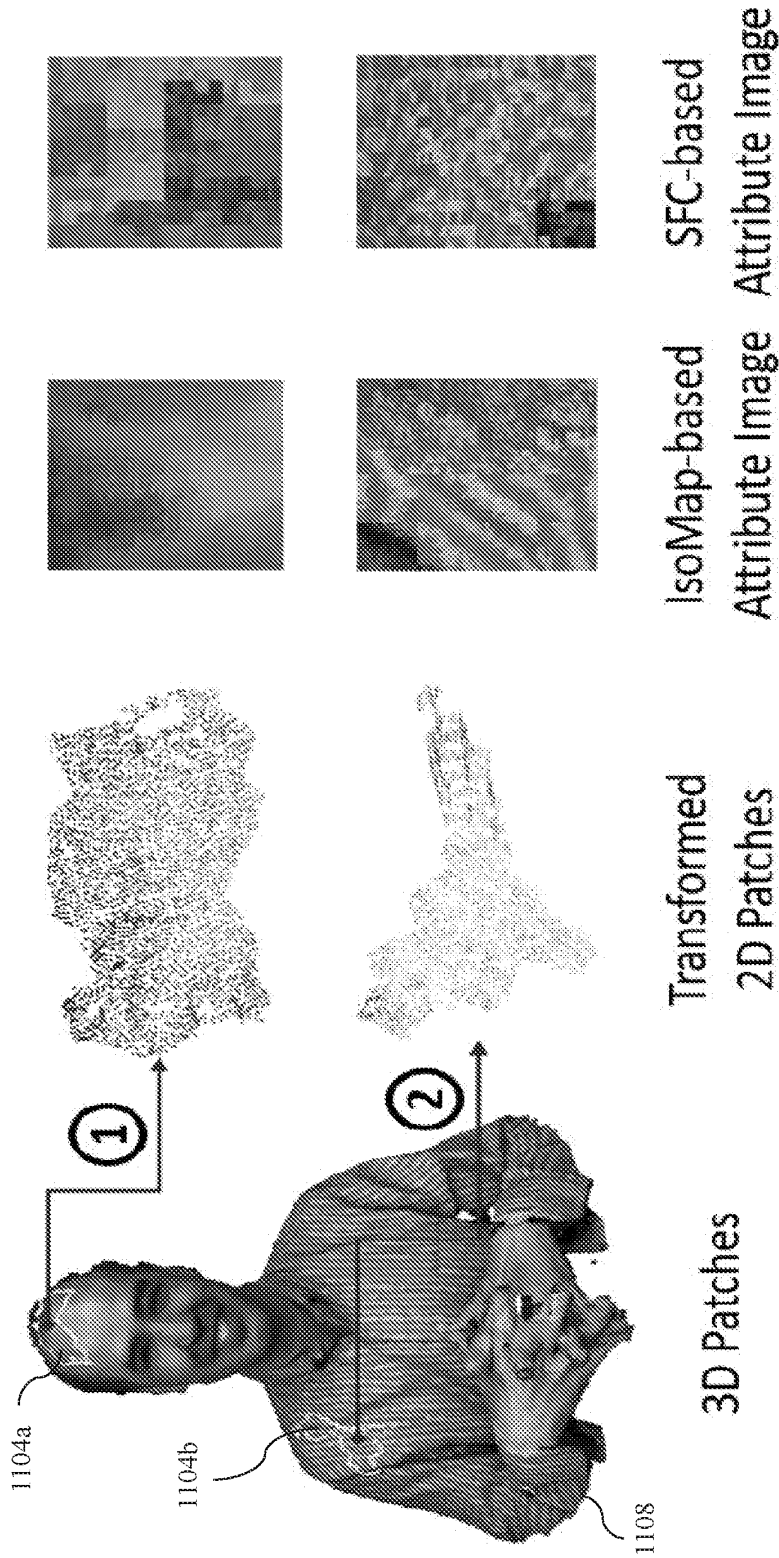


FIG. 11

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andrew9



FIG. 12A

David



FIG. 12B

ricardo9



FIG. 12C

phil9



FIG. 12D

sarah9



FIG. 12E

Stäue

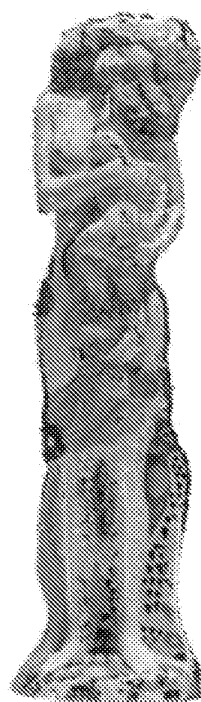


FIG. 12F

Mask



FIG. 12G

Shiva

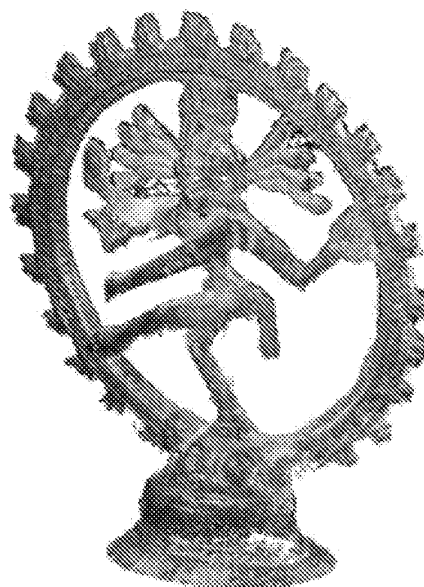


FIG. 12H

Facade

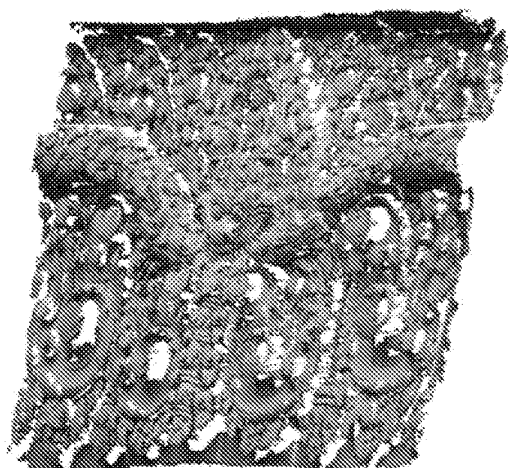


FIG. 12I

House



FIG. 12J

Frog

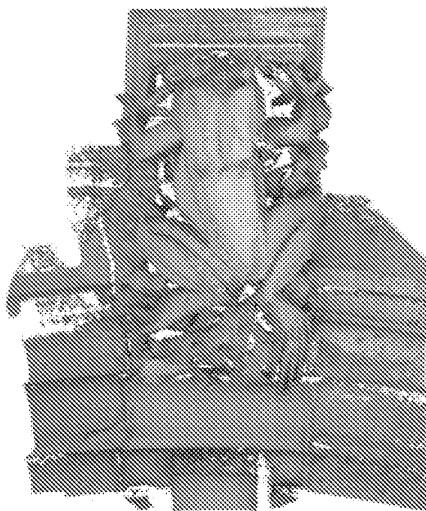


FIG. 12K

Arco

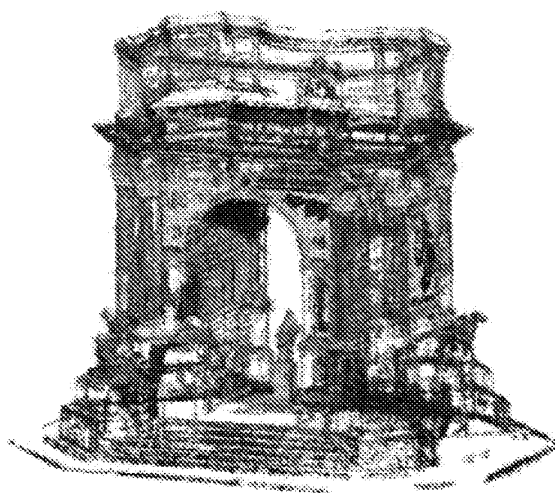


FIG. 12L

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longdress

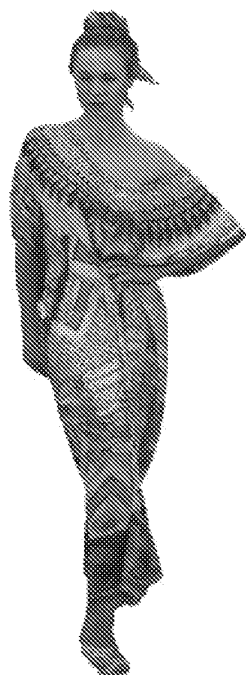


FIG. 12M

loot

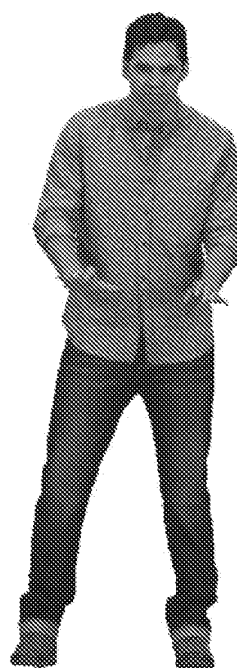


FIG. 12N

soldier

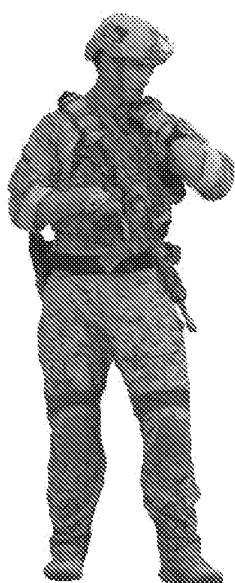


FIG. 12O

redandblack

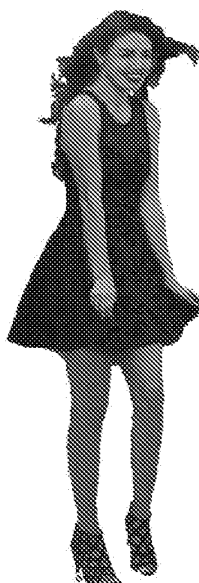


FIG. 12P

frame

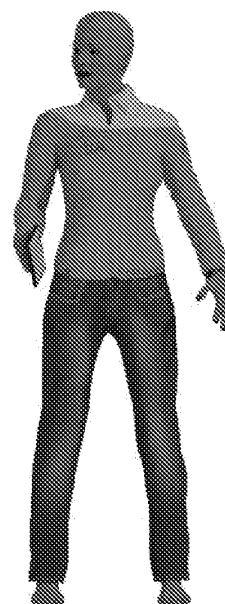


FIG. 12Q

Table I

Point Cloud	Oct_JPEG		3DH_JPEG		Oct_WebP		3DH_WebP	
	BR	PSNR	BR	PSNR	BR	PSNR	BR	PSNR
andrew9	-6.15%	0.62	-0.86%	0.09	-7.08%	0.73	-2.29%	0.23
David	-13.23%	1.24	-3.91%	0.35	-16.24%	0.93	-6.10%	0.31
ricardo9	-14.44%	1.44	-3.66%	0.35	-17.19%	1.13	-2.87%	0.19
phil9	-8.96%	0.90	-3.83%	0.38	-7.45%	0.71	-3.44%	0.30
sarah9	-13.54%	1.52	-3.83%	0.41	-11.86%	0.88	-5.80%	0.43
Stau	-10.34%	1.07	-7.10%	0.72	-9.27%	1.09	-6.76%	0.77
Mask	-15.31%	1.53	-10.74%	1.04	-18.76%	1.28	-12.98%	0.81
Shiva	-9.66%	1.10	-6.53%	0.73	-7.37%	1.08	-5.04%	0.72
Facade	-12.71%	1.48	-7.57%	0.87	-10.35%	1.25	-6.60%	0.77
House	-10.01%	1.01	-5.94%	0.59	-11.42%	0.92	-6.72%	0.52
Frog	-13.68%	1.41	-10.37%	1.05	-17.18%	1.31	-12.96%	0.94
Arco	-1.75%	0.21	-0.36%	0.05	-1.36%	0.21	-0.41%	0.06
Average	-10.82%	1.13	-5.39%	0.55	-11.29%	0.96	-6.00%	0.50

FIG. 13

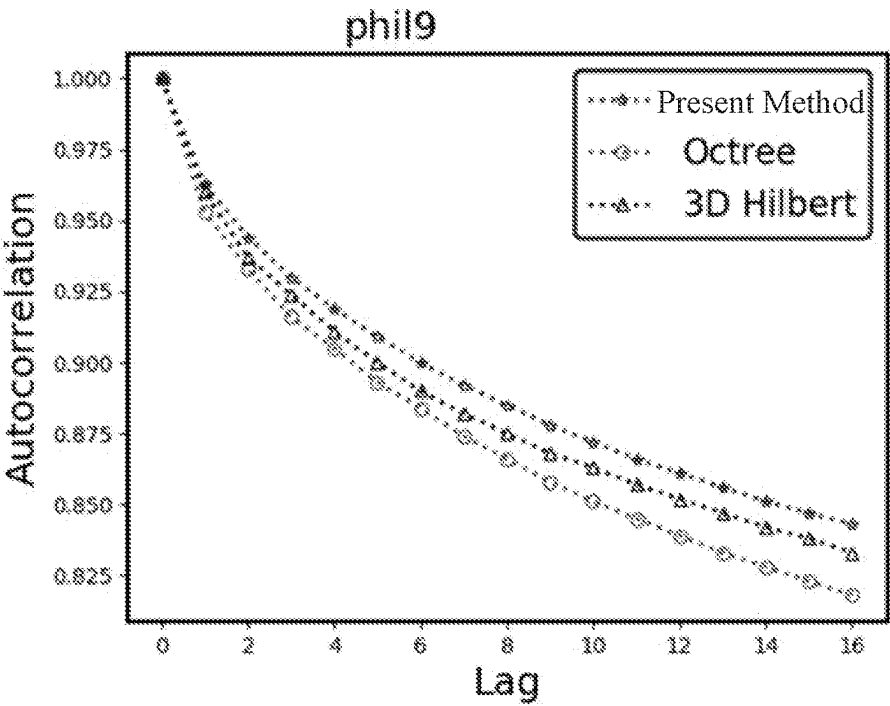


FIG. 14A

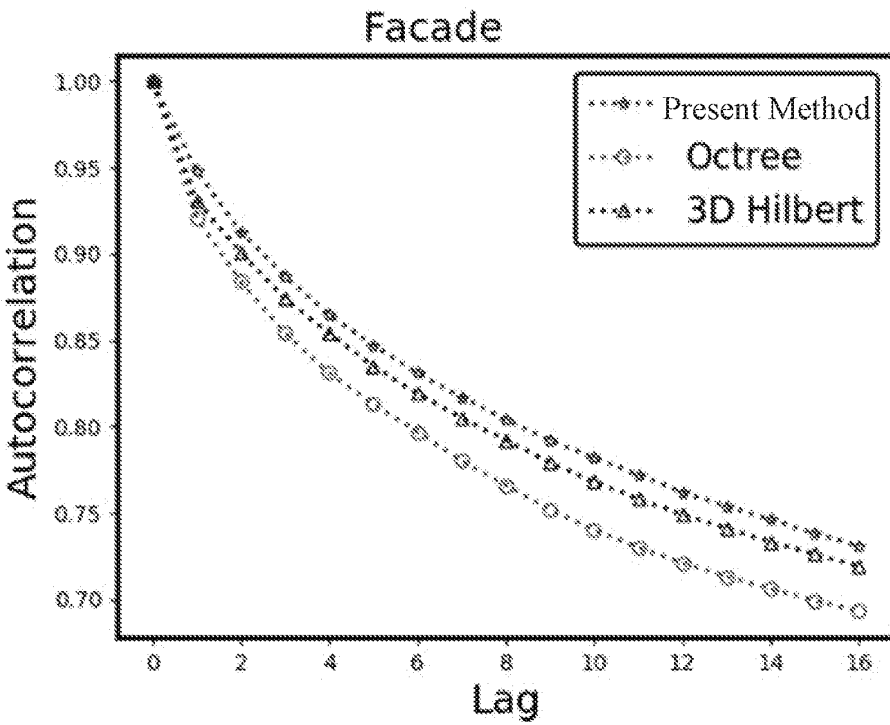


FIG. 14B

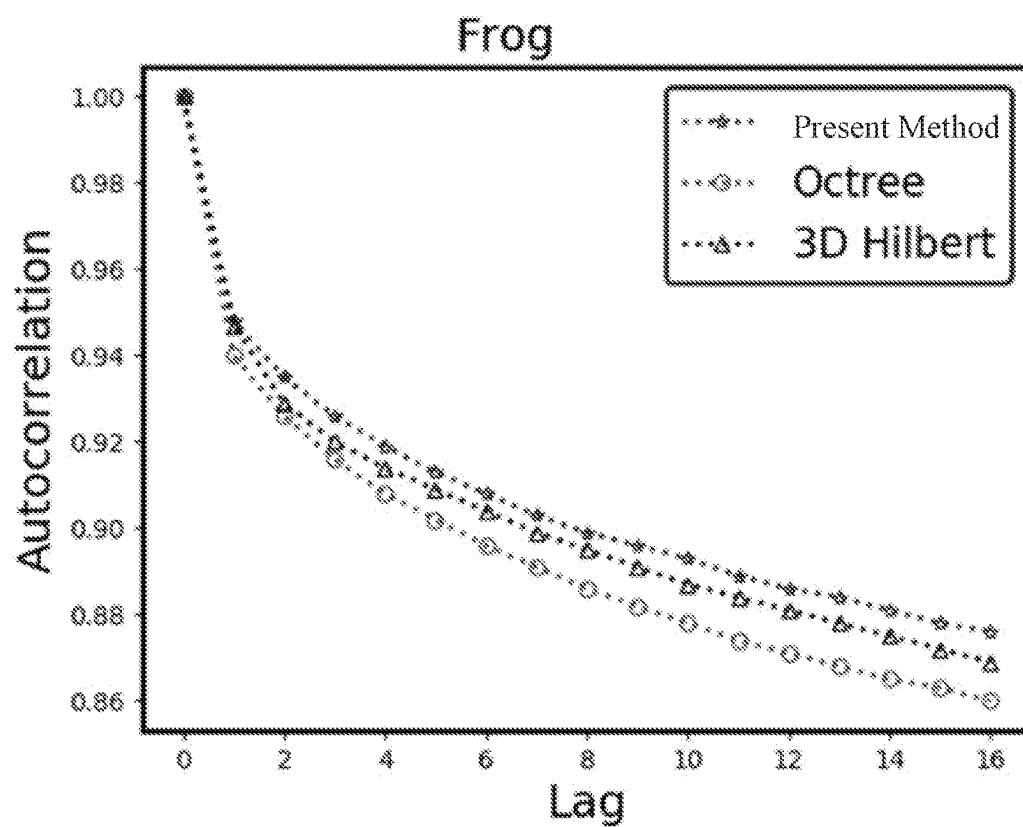


FIG. 14C

Table II

Point Cloud	HS_JPEG			Hil_JPEG			HS_WebP			Hil_WebP		
	BR	PSNR		BR	PSNR		BR	PSNR		BR	PSNR	
andrew9	-8.92%	0.76		-12.89%	1.18		-23.36%	2.60		-25.42%	2.75	
David	-10.33%	0.52		-17.82%	1.25		-25.12%	1.40		-24.70%	1.46	
ricardo9	-14.72%	0.80		-22.55%	1.67		-30.02%	2.05		-32.90%	2.20	
phil9	-7.43%	0.53		-14.10%	1.25		-27.93%	2.88		-31.02%	3.18	
sarah9	-10.90%	0.66		-19.44%	1.70		-28.44%	3.01		-31.23%	2.93	
Stau	-7.83%	0.66		-14.19%	1.37		-25.42%	2.96		-28.39%	3.29	
Mask	-10.41%	0.64		-16.82%	1.30		-29.37%	2.07		-31.25%	2.03	
Shiva	-7.34%	0.72		-11.37%	1.18		-21.57%	3.09		-23.28%	3.27	
Facade	-2.18%	0.12		-12.08%	1.27		-24.51%	2.92		-27.13%	3.22	
House	-10.72%	0.77		-15.12%	1.25		-29.20%	2.52		-29.38%	2.48	
Frog	-9.33%	0.48		-14.89%	1.07		-30.50%	2.35		-29.92%	2.25	
Arco	-8.75%	0.92		-9.63%	1.03		-20.20%	3.27		-20.67%	3.31	
Average	-9.07%	0.63		-15.08%	1.29		-26.30%	2.59		-27.94%	2.70	

FIG. 15

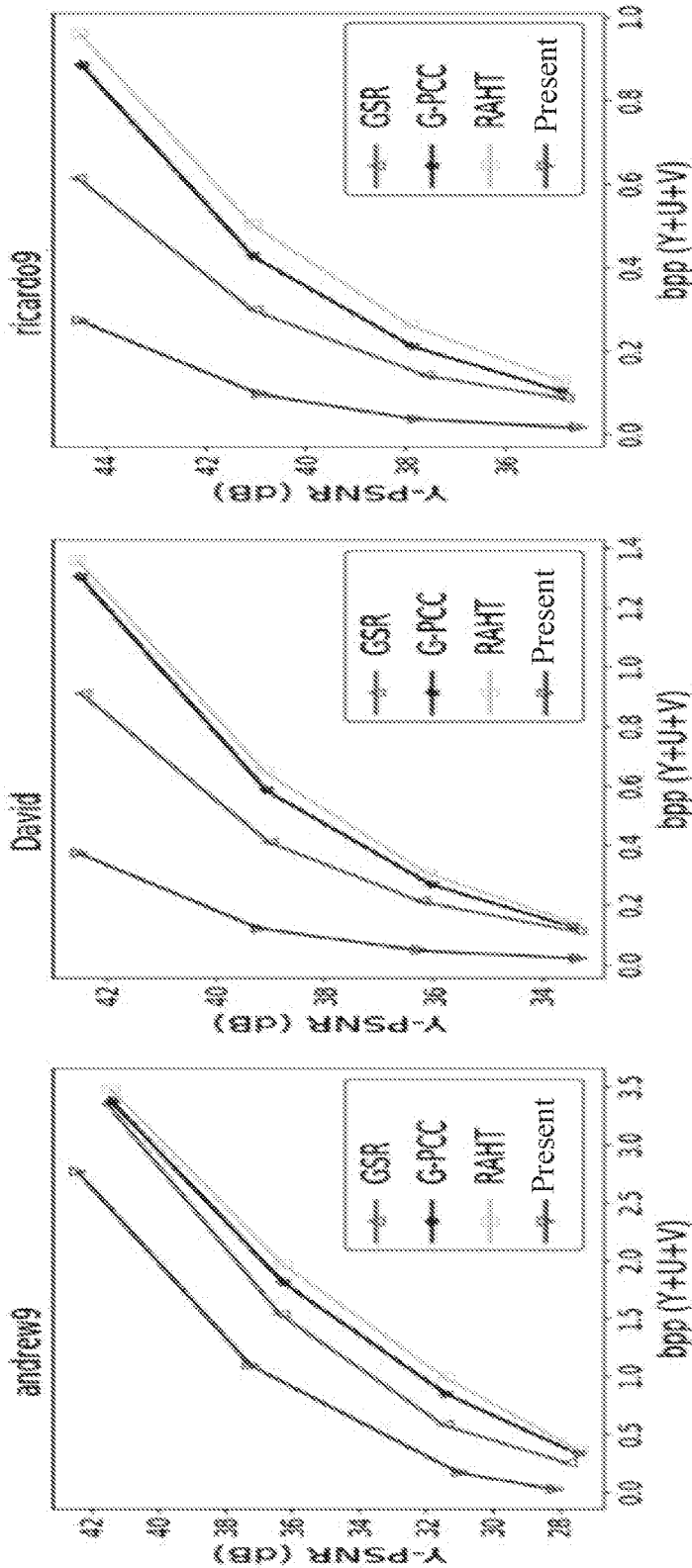


FIG. 16A

FIG. 16B

FIG. 16C

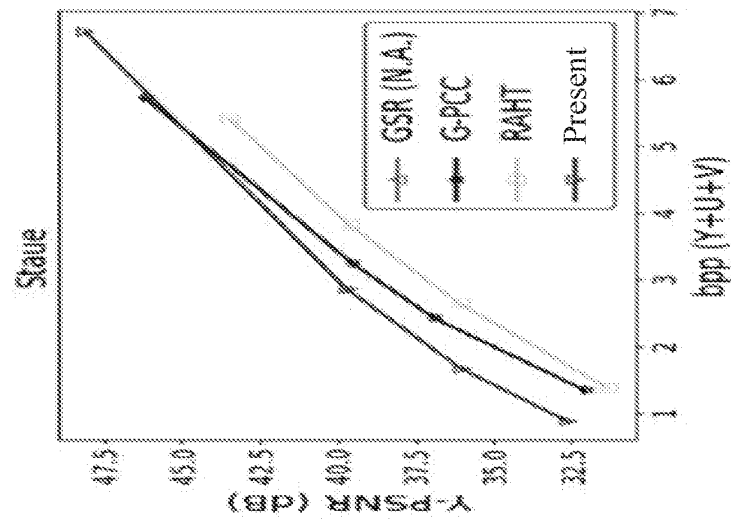


FIG. 16F

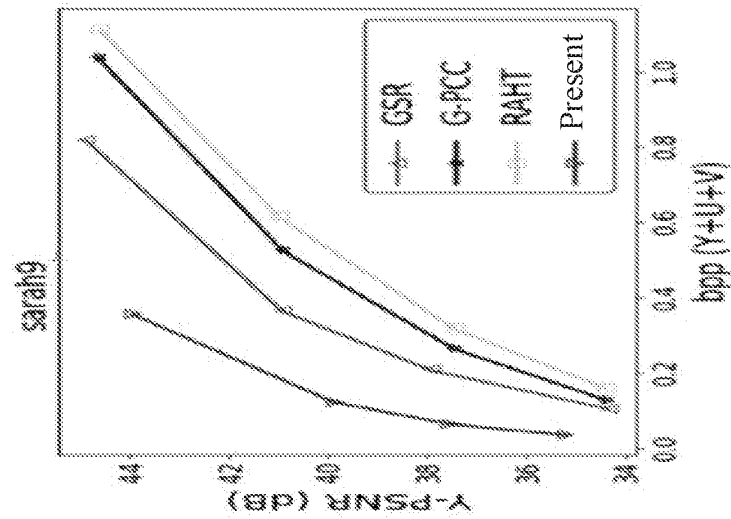


FIG. 16E

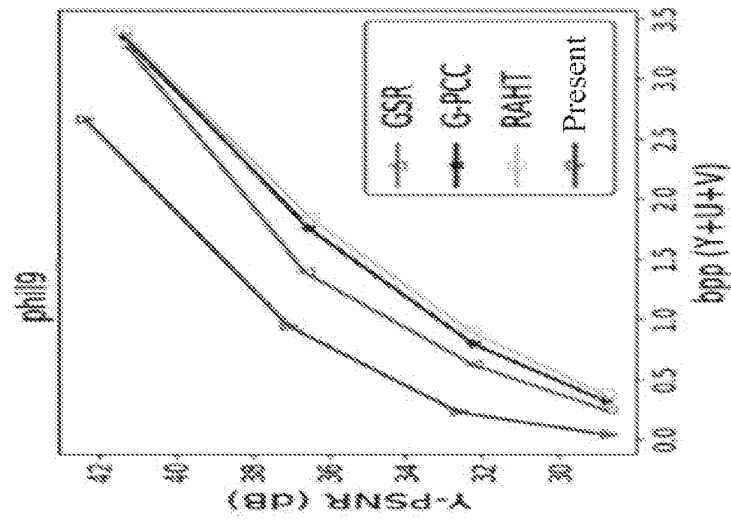


FIG. 16D

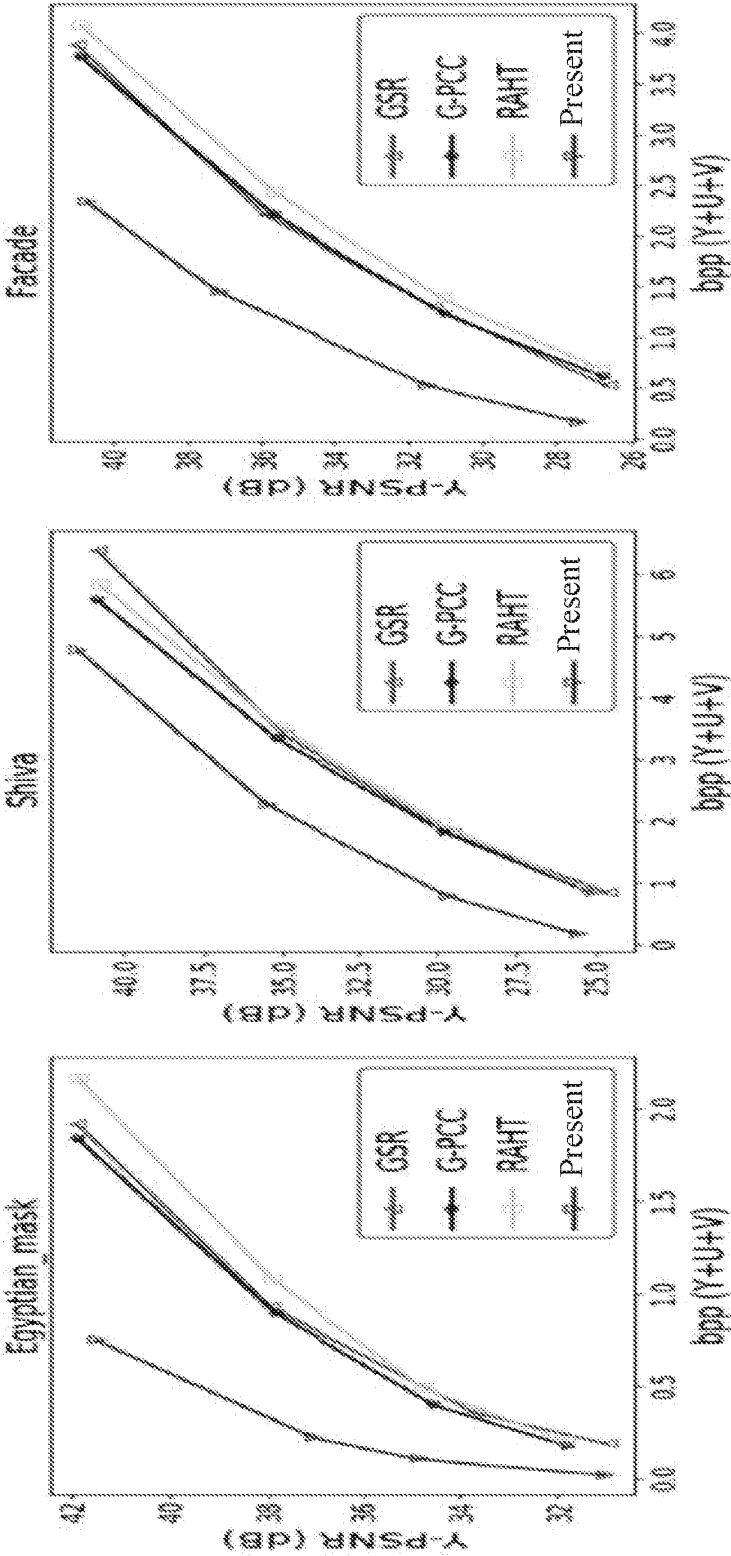


FIG. 16I

FIG. 16H

FIG. 16G

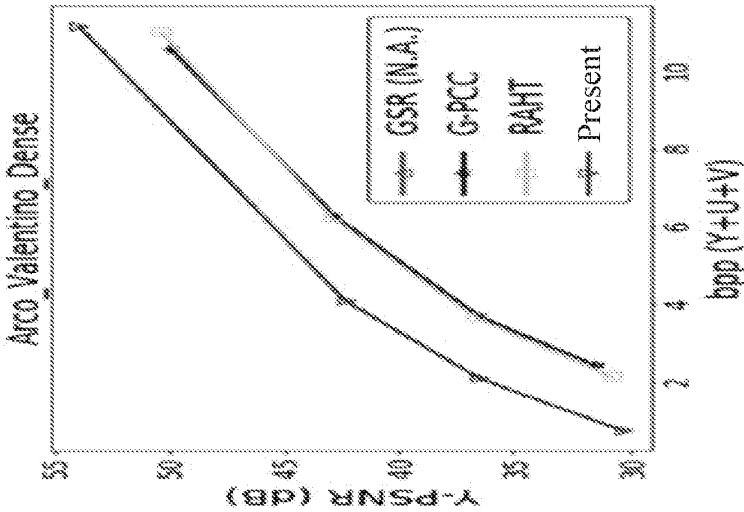


FIG. 16L

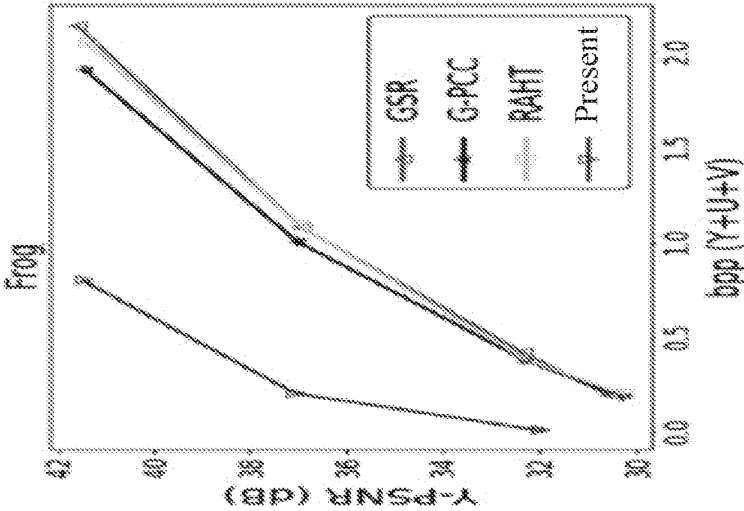


FIG. 16K

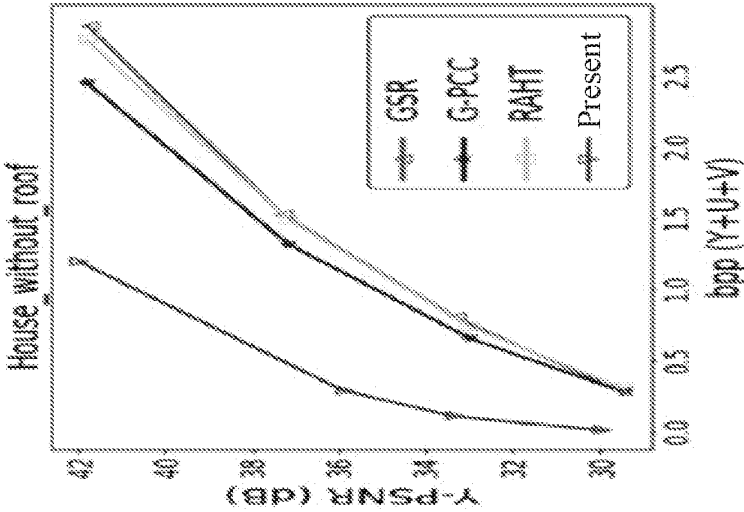


FIG. 16J

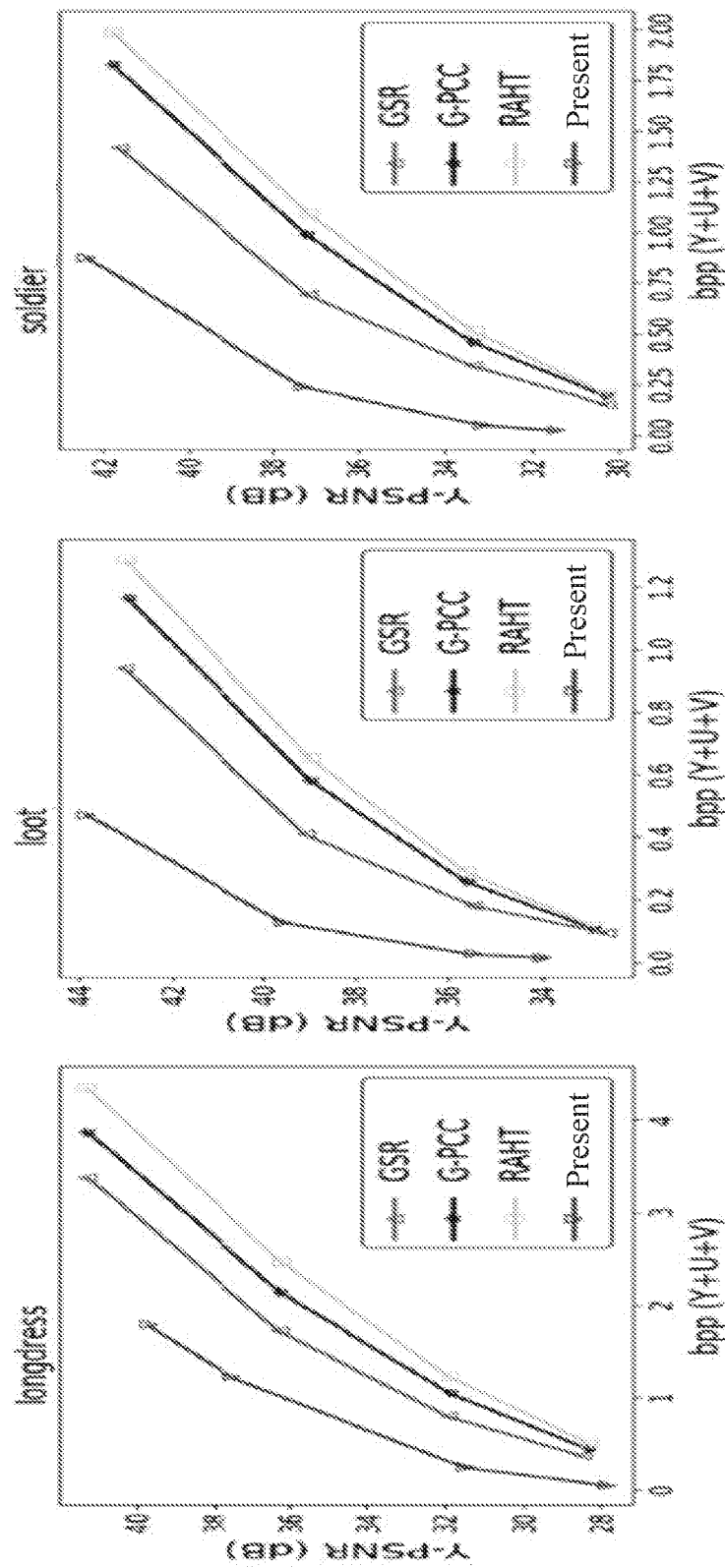


FIG. 16O

FIG. 16N

FIG. 16M

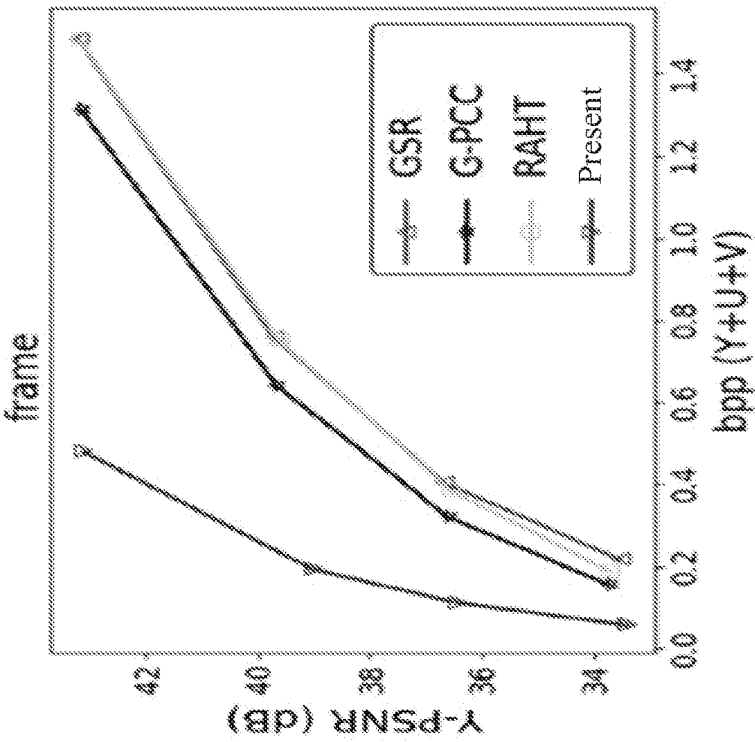


FIG. 16Q

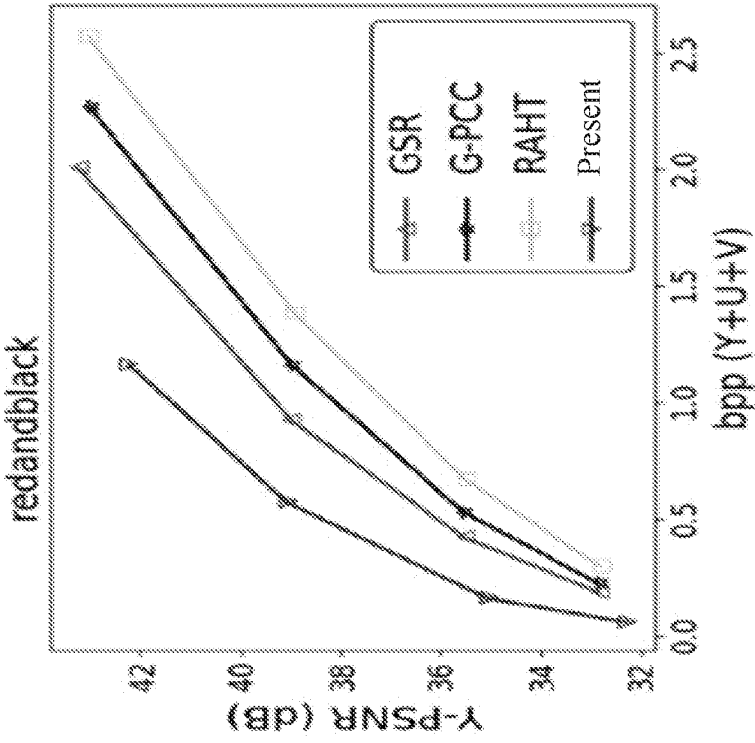


FIG. 16P

Table III

Point Cloud	LoD-LT		GSR		Present	
	BR	PSNR (dB)	BR	PSNR (dB)	BR	PSNR (dB)
andrew9	-9.15%	0.64	-28.68%	2.05	-68.26%	5.00
David	-8.88%	0.37	-32.34%	1.65	-82.11%	5.99
ricardo9	-15.61%	0.80	-39.45%	2.48	-81.44%	6.66
phil9	-7.10%	0.41	-25.38%	1.55	-66.63%	4.34
sarah9	-14.36%	0.80	-37.92%	2.57	-75.29%	6.23
Stane	-14.73%	1.51	-	-	-35.65%	3.16
Mask	-14.84%	0.68	-9.16%	0.38	-75.76%	5.02
Shiva	-5.68%	0.49	-0.86%	0.99	-50.56%	4.39
Facade	-9.32%	0.78	-11.15%	0.81	-58.85%	5.78
House	-10.86%	0.66	0.16%	-0.08	-79.49%	6.56
Frog	-6.29%	0.30	0.86%	-0.08	-84.42%	6.65
Arco	2.08%	-0.24	-	-	-37.77%	4.31
longdress	-13.19%	0.86	-30.75%	2.22	-71.03%	5.57
loot	-9.95%	0.44	-33.38%	1.79	-84.59%	6.43
soldier	-9.49%	0.51	-33.52%	2.08	-81.05%	6.61
redandblack	-18.41%	0.94	-34.07%	1.94	-65.35%	4.17
frame	-15.80%	0.79	2.32%	-0.09	-69.25%	5.50
Average	-10.68%	0.63	-20.89%	1.35	-68.68%	5.43

FIG. 17