

## (12) United States Patent

Esbech et al.

### (54) FOCUS SCANNING APPARATUS RECORDING COLOR

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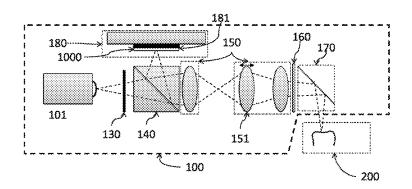
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(57) ABSTRACT

Disclosed are a scanner system and a method for recording surface geometry and surface color of an object where both surface geometry information and surface color information for a block of said image sensor pixels at least partly from one 2D image recorded by said color image sensor.

35 Claims, 4 Drawing Sheets







### US 9,962,244 B2

Page 2

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	See application file for	r complete search history.				

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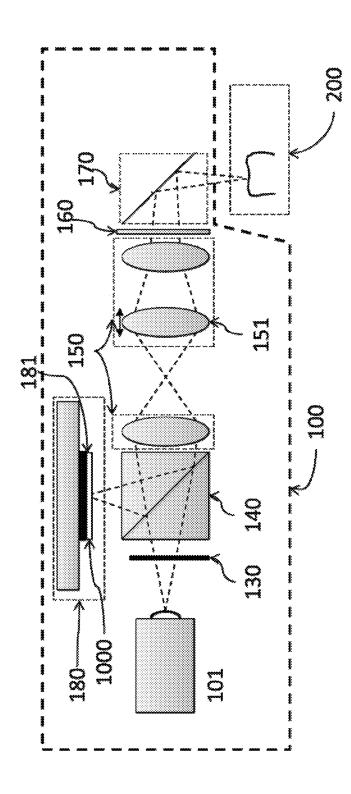
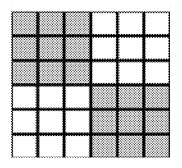


Fig. 1





May 8, 2018

Fig. 2A

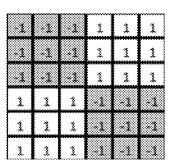


Fig. 2B

			G	8	G
			8	G	8
	G		G	R	G
G	8	G			
R	G	R			8
G	8	G		6	8

Fig. 3A

			1	0	1
			0	1	0
			3	٥	1
1	0	11.			8
0	1	0			
1	0	1			

Fig. 3B

6			G	G	G
			G	R	G
			G	G	G
G	G	G	6		6
G	8	G			8
G	G	G			8

Fig. 4



541

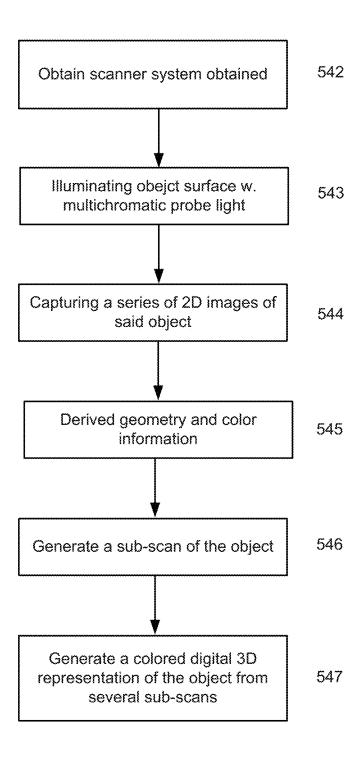


Fig. 5



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