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(B1)(51) 。 Int. Cl.<sup>6</sup>  
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(24)2005 02 02  
10-0459053  
2004 11 19(21) 10-1996-0013131  
(22) 1996 04 26(65)  
(43)10-1996-0039945  
1996 11 25

(30) 08/429,388 1995 04 26 (US)

(73) 75265 13500

(72) 75209 157 5630

95030 가 25734

(74)

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(54)

SLM- (10, 20) ,

-가 SLM (20), SLM (20) , S

LM (10) , SLM(14) . SLM

1

1 SLM SLM-

2 SLM SLM-

3 SLM , 2

4 SLM

10, 20 : SLM-

11 :                      12 :  
13 :                      14 : DMD  
15, 16 :              16a, 16b, 18, 26a :  
17 :                      19 :  
26b, 27 :

Figure 1. Schematic diagram of the proposed system architecture. The system is composed of a host computer, a DMD, a SLM, and a camera. The host computer sends data to the DMD, which displays the data on the SLM. The camera captures the SLM's output, which is then processed by the host computer. The system is designed to be a closed-loop system, where the host computer can adjust the SLM's output based on the camera's feedback. The system is also designed to be a real-time system, where the host computer can process the camera's output in real-time. The system is also designed to be a multi-user system, where multiple users can interact with the SLM simultaneously. The system is also designed to be a multi-modal system, where it can handle different types of input and output. The system is also designed to be a multi-language system, where it can handle different languages. The system is also designed to be a multi-platform system, where it can run on different operating systems. The system is also designed to be a multi-processor system, where it can use multiple processors. The system is also designed to be a multi-threaded system, where it can execute multiple threads. The system is also designed to be a multi-tasking system, where it can perform multiple tasks simultaneously. The system is also designed to be a multi-user system, where multiple users can interact with the SLM simultaneously. The system is also designed to be a multi-modal system, where it can handle different types of input and output. The system is also designed to be a multi-language system, where it can handle different languages. The system is also designed to be a multi-platform system, where it can run on different operating systems. The system is also designed to be a multi-processor system, where it can use multiple processors. The system is also designed to be a multi-threaded system, where it can execute multiple threads. The system is also designed to be a multi-tasking system, where it can perform multiple tasks simultaneously.

가

M , SLM SLM SL

1 2 SLM- (10 20) (10) SLM (20) 3 SLM

(10) (20)

(10) SLM(14) (20) SLM(14) DMD SLM

- SLM SLM DMD 가

가 가

(10) (20)

1 2 (closed captioning)

(10) (20) DMD(14) (11), 2

(12) (13) (front end)

(10) (20) (10) (20) DMD(14) 'DMD(S)' (10) DMD(14)

) (20) DMD(14)

(11) (11) A/D , A/D

(11) (12)

(12) (12)

(12)

RGB DMD(14) (de-compensate)

(12)

가

(13) (12) (13)

DMD

가 -가

(10) (13) 2 가 DMD(14)

MD(14) 2 D

DMD(14)

n-

n

1 (10) , DMD(14) RGB

(17) , DMD(14) (17)

(R, G, B)

(10) (15) (17) (16a)

2 (16b) DMD DMD

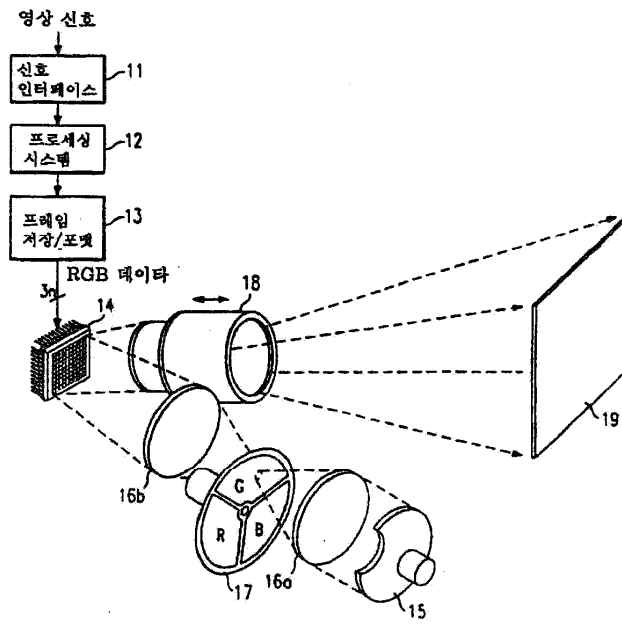
(19) (18)

2 (20) , R, G, B , 3 3  
DMD(14) (16) (27) (26a) DMD(14)  
(26) (R, G, B)  
(26b) DMD(14) (18)  
(18) (19) (20) 1 DMD가  
(10) (20) , 2 -DMD  
5,079,544 'Standard Independent Digitized Video Systems'; 5,233,385 'White Light Enhanced Color Field Sequential Projection'; 07/678,761 'DMD Architecture and Timing for Use in a Pulse-Width Modulated Display System'; 08/147,249 'Digital Television System'; 08/146,385 'DMD Display System'  
가 (transition)  
-가  
, 8- 7,6,5,4,3,2,1,0  
-가  
(high)  
가 -가 , -가  
2 (MSB) 2  
, MSB 1/2  
3 -  
3 (20) SLM DMD(14)  
DMD 14-R, 14-G 14-B  
3 DMD(14) 가 DMD  
08/300,356 'Pixel Control Circuit for Spatial Light Modulator'  
(fanout) 4 ( ) ,  
4 4 480 DMD(14) 120  
(41) (41) 4  
(42) , 4 가 (42) 3 DMD(14)  
1 DMD(14) 1/4  
(one time slice)  
가 , 1 가  
-가  
.가 ,  
- (20) , 1 n  
, 2 n-1 , 3 n , 4 n  
. -가 , 1 n-1 , 2 -가 ,  
/ -가 , , -가 가 ,  
, , , -가 가  
-가 DMD ,  
(20) - 3 :  
1, -가 a

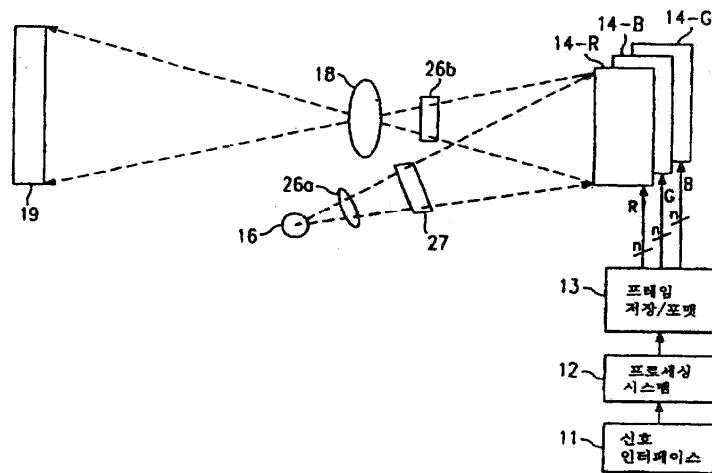


4. 1 , 2 (time slice)  
-가
5. 1 2 ,  
3
6. 1 ,
7. 1 , -
8. 1 , ,
9. 1 , ,
10. ,  
; -가 1 ;  
1 , , 1 -가  
; 2  
,
11. 10 , -가
12. 10 , 2  
, -가
13. 10 ,
14. 10 ,
15. 10 , -

1



2



3

