

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl.<sup>7</sup>  
B41J 11/00  
B41J 2/01  
B41J 2/435

(11)  
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10-2004-0063175  
2004 07 12

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10-2004-7009383  
2004 06 17  
2004 06 17  
PCT/US2002/033922  
2002 10 23

(87)  
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WO 2003/061976  
2003 07 31

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(71)  
(72)  
(74)

10/028,587  
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[illegible]

, ('UV') . , .

, , 가 가 UV UV

가 , 가 , UV

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8 7 , 6 .

가

(Rishon Le Zion) (Sci  
(West Yorkshire) (Da  
(Advanced Digital Color Proofing System) 'DryJet'  
(Meredith) (VUTEK Inc.)  
(Novara) (Sias Print Group) 'SIAS'  
(San Jose)  
(Gretag Imaging Group) (Raster Graphics, Inc.) 'Arizona'  
(VUTEK Inc.) 'UltraVu' 가 .

1 2 (10) 1 (10)  
(11) (11) (12) 1  
( 가 )

(12) 2 (14) 가 가 (14)  
(12) (14) 가 (12)  
(12)

(10) (12) (16)  
(16) / 가 UV 'H' , 'D'  
, 'V' 가 .

(18) (11)  
(12) 가 가 )  
(16) 가 .

(10) (16) (12) (20)  
(20) (17) 가 .  
(22)

(20) 가 가 가  
(22) 가 .

, (17) (14) 가 , , (12) (end)  
 가 (12) . , (16)  
 -to-end) UV , (11) (12) 가 .  
 (20) (24) . (24) (28) (20)  
 (20) (26) (26) (28) (26)가 ,  
 (12) , (14) , (20) (12)  
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 (18) (20) (26) .  
 , (12) 가 , (20) ( , 가 (16)  
 ) 가 .  
 , (22) ( , (20) ) (12b)  
 . (22)  
 , (18) .  
 가 가 , (20) , 가 (1  
 2)  
 , .  
 (18) (26) (20) , 가  
 (12) , (10) (18) (26) 가 , (26)  
 . (12) (12) (12)  
 (10)가 (20) (12) ,  
 가 .  
 (10) (18) 가 (16)  
 가 (12)  
 2001 11 15 10/000282 ,  
 , (10) 가 가 (12)  
 가 2001 11 15  
 10/001144 ,  
 .  
 가 , 가 , (18)  
 .  
 (10a) 3 (10a)  
 (10)  
 (10a) (16a) (32a, reflector) (20)  
 (20a) (32a) 가 (32a) (20a) (22a) 가  
 (12a) (12a) (20a) 가 . (20a)

(32a) (12a) (22a)가 (20a) ,  
 (22a) .  
 (10b) 4 (10b)  
 (10a) .  
 (10b) (20b) (34b) (34b) (12b)  
 (36b) . (34b) (20b) (22b)가 가 , (22b)  
 (22b)가 (36b) .  
 , (34b) (36b) . (18)  
 )  
 (10c) (10c) 5 8 .  
 (10c) (17) (17c) (17c) (16c) (17c)  
 가 .  
 (10c) (21c) (20c) (21c) (17c)  
 (pivotally) (23c) . (21c) (10c)  
 (10c) (21c) (24c) (38c) (24c)  
 (40c, pulley) , (21c) (42c) (38c) (42c) (38c) (18c)  
 .  
 (21c) (44c, 5 ) (44c) (44c) (21c) 5 6  
 (10c) . (42c)가 , (44c)  
 (38c) . (21c) 7 8 (44c)  
 (42c)가 , (21) (44c) , 5 6  
 .  
 (18c) (21c)가 , 가 / ,  
 , (21c)가 . (16) 가  
 , (retractable) ,  
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 가 .

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n Systems Inc.) , HP-6 Fusion (Fusio  
 100% 475 watts(cm 187 watts)

(10)

. Fusion HP-6

$$= 15600 / \text{ (web speed)}$$

$$, \text{ mJ/cm}^2, \text{ feet/minute} \text{ (dosage)}$$

$$= x$$

$$, 2.2 \text{ watts/cm}^2$$

$$\text{hes}(3.56 \text{ cm}), 1.4 \text{ inc}$$

$$\text{가 } 1000 \text{ ft}^2 / \text{hr} (93 \text{ cm}^2 / \text{hr})$$

$$V_{\max} = 2.8 \text{ ft/min } 33.6 \text{ in/min} (85 \text{ cm/min})$$

$$, V_{\max} = 1.4 \text{ in}/33.6 = \text{ (per revolution) } 0.042$$

$$23.8$$

$$, \text{ 가 } 260 \text{ ft}^2 / \text{hr} (24 \text{ m}^2 / \text{hr})$$

$$V_{\min} = 0.78 \text{ ft/min } 9.4 \text{ in/min } (24 \text{ cm/min})$$

$$V_{\min}, = 1.4 \text{ in}/9.4 = 0.15 \text{ min/}$$

$$, 6.7 / \text{min}$$

$$, / \text{ 가}$$

$$\text{가}$$

(57)

1.

$$\text{가}$$

2.  
1 , , , UV , .
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17. 1 , .

18. 1 , , / , .

19. 1 , .

20. 1 , , 가 .

21. 1 , .

22. , , 가 , , 가 , , .

23. 22 , .

24. 23 , .

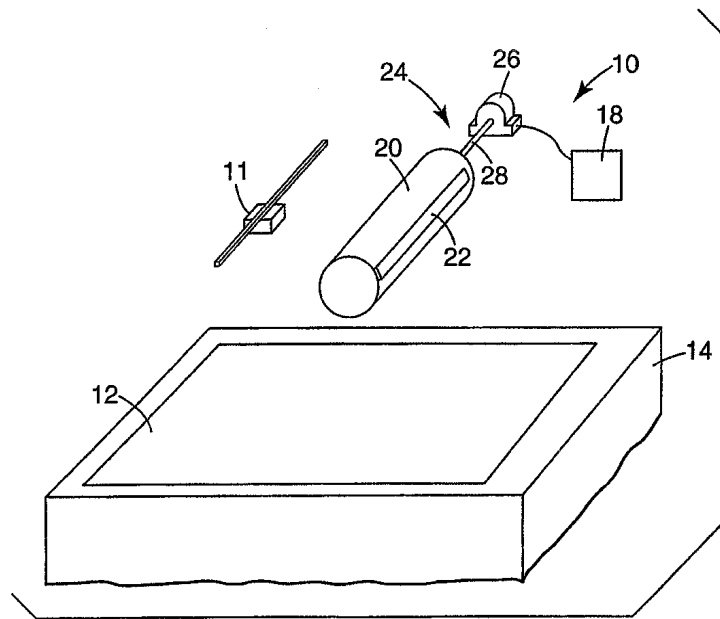
25. 22 , .

26. 25 , .

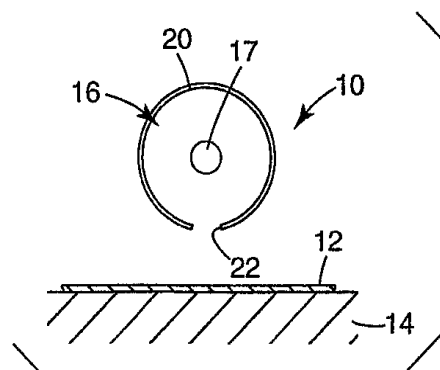
27. 22 , .

28. 27 , .

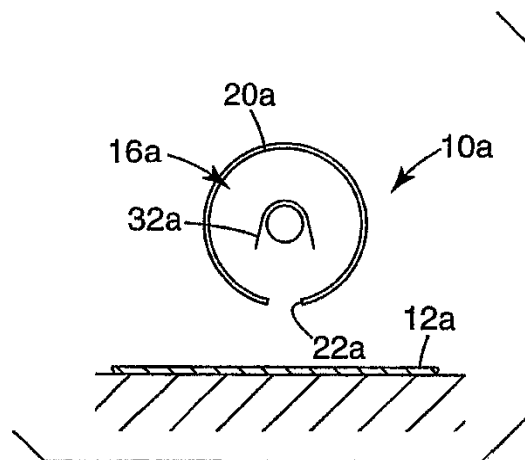
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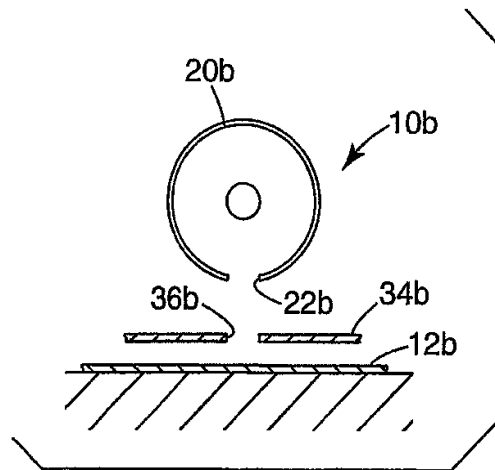
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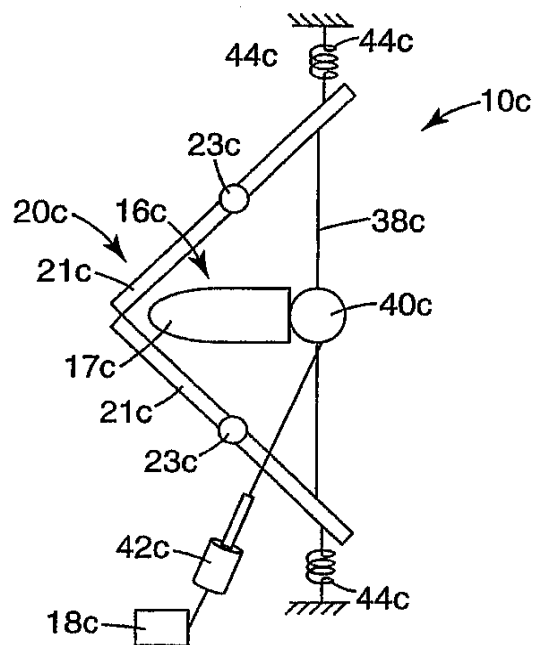
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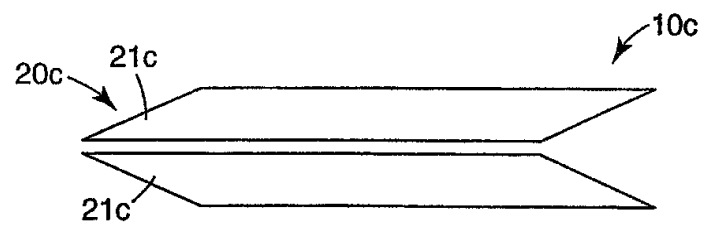
4



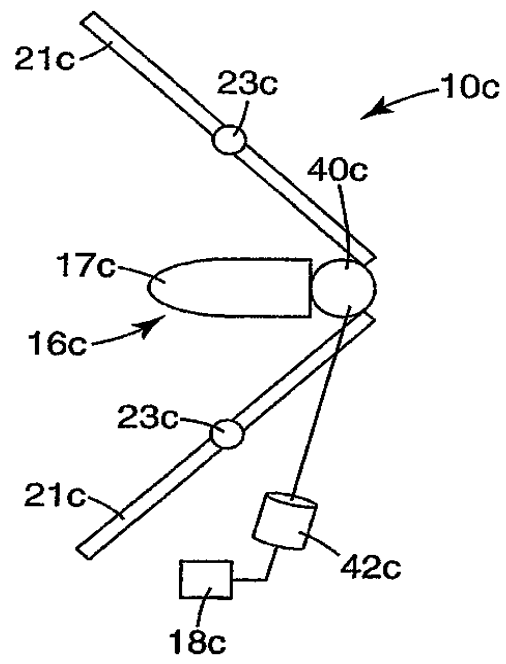
5



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7



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