

(19) (KR)
(12) (A)

(51) 。 Int. Cl. ⁷ G06F 3/06			(11) (43)	2003-0063185 2003 07 28
(21)	10-2003-0003268			
(22)	2003 01 17			
(30)	10/052,098	2002 01 18	(US)	
(71)	- () (94304)			3000
(72)	83713		5875	
(74)				
	:			
(54)				

(100) . , (114), (200), 가
(116) . , 가

1

1 ,

2 1 ,

3 1 2 가 .

[illegible]

B) (102) (114) (114) PCB(112) (printed circuit board, PC (surface mounting) ,

(114) (102) (atomic resolution storage, ARS) (magnetic random access memory, MRAM) . ARS

MRAM 2001 3 9 No.09/802,345

(100) (116) 가 (102) 가 (116 (100 1

(116) 가 ' (empty)' ' (full)' (118)

(116)가 () ,

가

2 (100) (100) PCB(112)(1) (114) (200) (114) (, PD (202) (firmware)(204) (116) (200) A, (IC) (110), (114), (116) PCB(112)(1) (memory bus)(206)

(100) 가

(116)가 (116) (cholesteric) LCD 2가 - / L

(LCD) (planar state) LCD (focal conic state)- (, (bistable))

LCD CD

LCD

가 (116) (, (100

가) ,

(Kent displays, Inc.) LCD

(116) (zenithal bistable display, ZBD) , ZBD 2 - (, ' (pi nning)') (, ZBD 2 (, 가) 가 (micro-grooved surface) (ZBD Displays Ltd.) ZBD

ZBD

가 , (electronic book) 가

(116) (Gyricon Media)

(rotating ball display) 2 ((bead)(, 100 μ m) ((hemisphere) () 가 (ball)

가 ,

(116) E (E ink Incorporated),
(pigment chip),
3 (100)가 (300)
(100) (100) / (decision element)(302)
(200) (100) (304) (116) (114)
(100) (200) 가 가
(116) (302) 가 (306)
, (card slot) (100) (100) 가
(200) (100) (116)가 (100) (300) 가
(100) ()
(100) 가 가
가

가

가

(57)

1. 가 (100) ,
(114) ,
(200) ,
가 (116)
가 .

2. 1 ,

3.

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,
, (atomic resolution storage, ARS),
(magnetic random access memory, MRAM).

4.

1

,
가 .

5.

4

,
가 (cholesteric) .

6.

4

,
가 (zenithal bistable display) .

7.

4

,
가 (rotating ball display) .

8.

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,
가 (electrophoretic ink) .

9.

가 ,

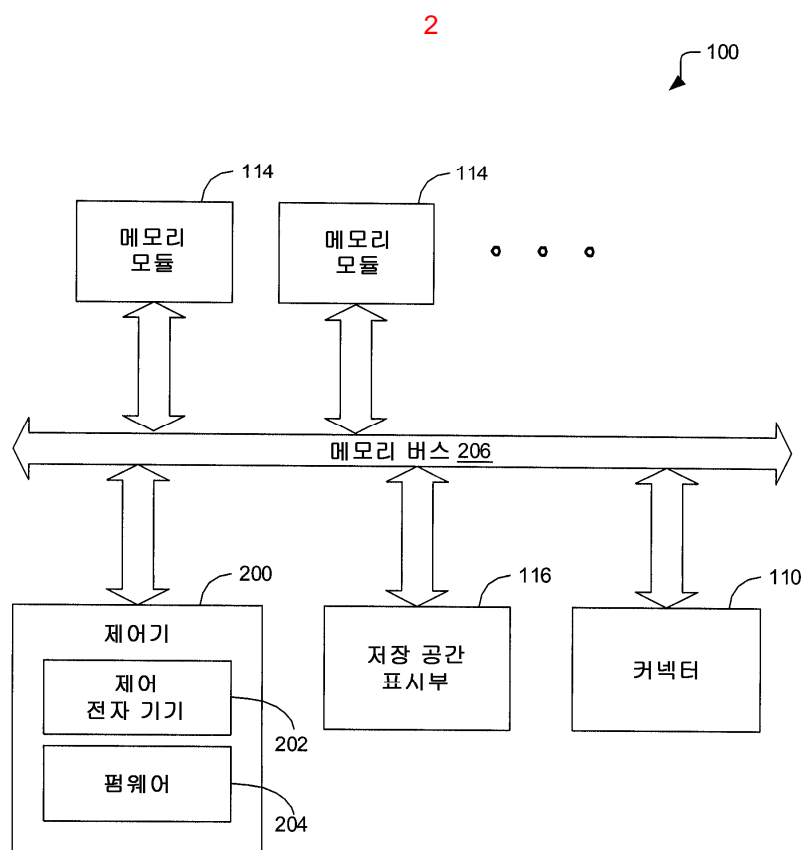
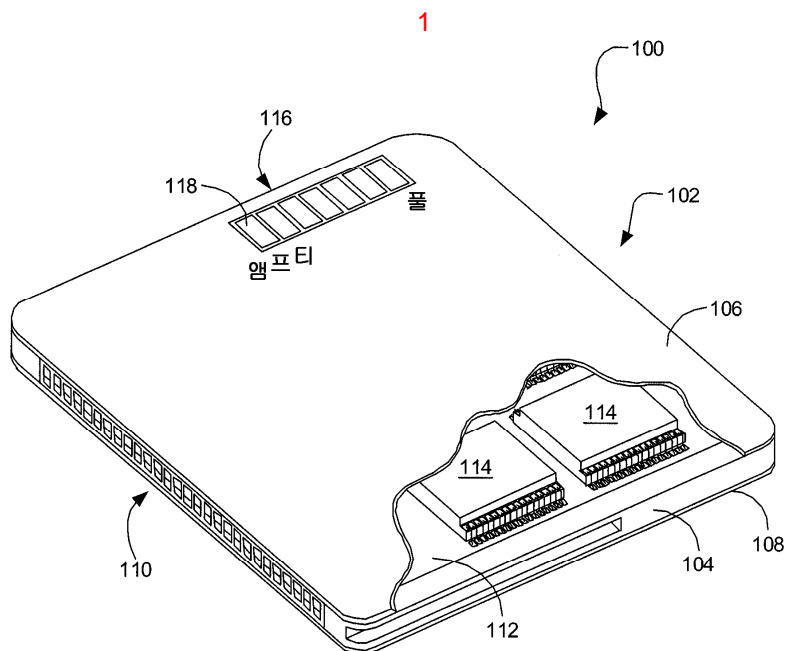
1 (114) 가 ,

가 (116)

10.

9

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가 , , ,
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100

