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(B1)

(51) 。 Int. Cl.⁷
G09G 3/36

(45)
(11)
(24)

2004 05 03
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2004 04 21

(21) 10-2001-0059335
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LCD
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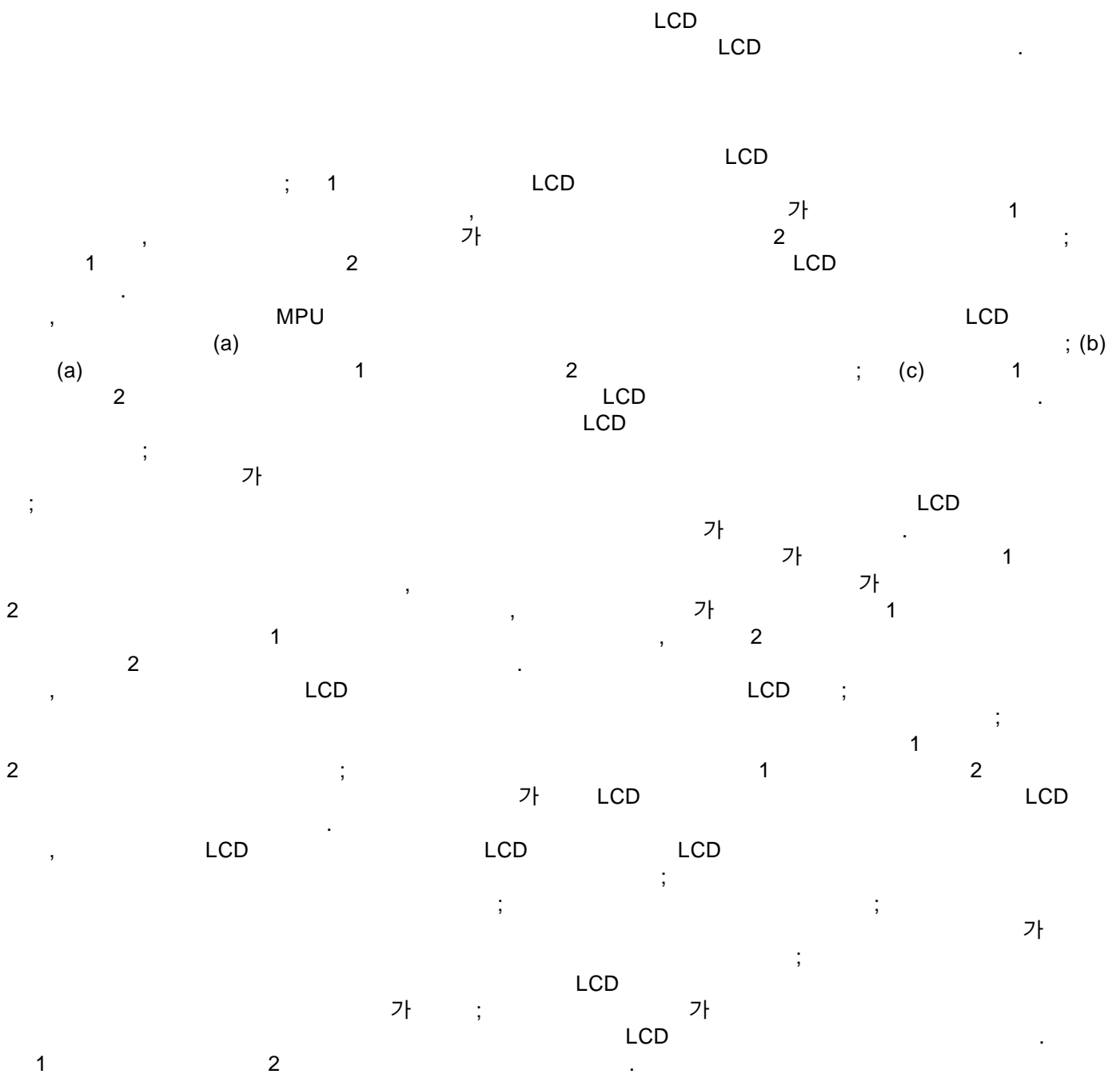
2

1
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LCD

LCD

LCD (response time)가 (Mobile) (frame ratio) AC (TFT-LCD) STN(super-twisted nematic) TFT-LCD (frame ratio) LCD (frame ratio) LCD (TFT-LCD) LCD (TFT-LCD)가 (TFT-LCD)가



1 LCD (normal mode) LCD (power save mode) 1

20 TFT-LCD가 LCD가 TFT-LCD TFT-LCD TFT-LCD TFT-LCD

가 가 5Hz 60Hz 30Hz TFT-LCD TFT-LCD TFT-LCD TFT-LCD

30 (WR_EN) (WR_EN) TF (Mai

30 T-LCD (WR_EN)가 (WR_EN)가 (WR_EN)가

n process unit) (WR_EN)가 (WR_EN)가 (WR_EN)가

TFT-LCD 가 (NO) (20), 30 가 가

(YES) , (NO) (40).

TFT-LCD TFT-LCD

50 가 (WR_EN)가 가 가 (YES)

, 1 , 50 가 (NO) . 50 가 (YES)

, 30 (WR_EN)가 (WR_EN)가 1 (WR_EN)가

(WR_EN)가 (WR_EN)가

TFT-LCD TFT-LCD

2 가 LCD (210), (230), LCD (250), T

2 , LCD (200) 가 (200) (MPU; 290) (210) (230)

FT-LCD (270) (MPU; 290) (MPU; 290) (210) (230)

MPU (MPU I/F) (210) (230)

MPU , MPU 68 (68 series mode) 80 (80 series mode) , MP

U 8 4

MPU LCD (210) (210)

MPU(290) (WR_EN) (210)

(210) TFT-LCD (270) 가 , TFT-LCD (2

70) 가 RAM (210) (WR_E

N) (230) MPU (WR_EN), (CLK)

(RESET)

LCD (250) (230) (VFR)

(multi-high-level) TFT-LCD LCD (250)

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TFT-LCD (270) LCD (250) TFT-LCD (270) 가

(237) (231), (235)

(231) (CLK) (235) (231) (235)

(FR_CONT) LCD (250) 가 (237) (WR_EN) (FR_CONT)

(VFR) LCD (250) 가 (237) (FR_CONT)

2 가 (WR_EN)가 (235) 가 (237) (WR_EN)

1 (FR_CONT) (235) 가 (237) 1

(FR_CONT) 1 (VFR) LCD (250) 1
 (VFR) LCD (250) 1 (VFR) LCD (210) (DDATA)
 TFT-LCD (231) (CLK) (WR_EN)가
 1 (FR_CONT) (235) 가 (231) (WR_EN)가
 2 (VFR) LCD (250) (237) 2 (FR_CONT)
 2 (VFR) (flicker)가 (VFR) TFT-LCD (270)
 가 (237) (VFR) 2 (VFR) 5Hz 30Hz
 LCD (250) 2 (VFR) (210) (DDATA)
 TFT-LCD (270) (WR_EN)가
 TFT-LCD가 (235) (231) 1 (FR_CONT)
 (230) LCD
 가 가

LCD LCD

- (57)
1. LCD ;
 1 LCD 가 1 ; LCD
 1 가 2 2 ; LCD
 2. 1 2
 3. LCD
 - (a) ;
 (b) (a) 1 2 ;
 (c) 1 2 LCD
 4. 3 1 2
 5. LCD ;
 가 LCD ;
 가 LCD LCD
 - 6.

5 , 가 가 1
 2 , , 가 가 1
 , 가 2 LCD 2
 7. , 1 2 LCD
 6 8. LCD ;
 ;
 2 ; 1 ; 2 LCD
 가 LCD LCD
 9. LCD .
 8 , 1 2 LCD
 10. LCD LCD , LCD
 LCD ;
 ;
 가 ; LCD ;
 LCD 가 LCD
 11. , 가 가 1
 10 , 가 가 1
 2 , 2 LCD 2
 12. , 1 2 LCD .
 11 , 1 2 LCD .

