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(22) 2000 08 18 (43) 2002 02 25

(73) 136 - 1

(72) 136 - 1

(74) :

(54)

CPU , CPU ,
CPU UART(Universal Asynchronous Receiver Transmitter,)
 , ,
 .

1

UART, , FIFO, - ,

1 (UART) ,

2a UART ,

2b UART .

<

1: UART 2: /

3: 4:

5: 6:

7: /

, CPU , CPU UART(Universal Asynchronous Receiver Transmitter, UART) (U

, CPU (ROM, RAM) CPU

가

, CPU UART(Universal Asynchronous Receiver Transmitter, (UART)

(UART)

CPU UART UART ;

UART / ;

IFO / FIFO(First In First Out;) , F

;

;

;

UART

/ .

(UART) ,

CPU UART UART

(start bit) FIFO ;

FIFO ;

;

UART UART

.

(UART)

,

.

,

CPU CPU UART UART - -

.

1 UART

.

,

CPU UART UART (1) ; UART

(1) / (2) ; /

(2) FIFO(First In First Out;) , FIFO

(3) ; (3)

(4) ; (3)

(6)

(5) ; (3)

(5) (6) ; (6)

(6) ; (6)

UART (1) / (7) .

2a 2b (UART) .

UART (1) (start bit) F
 IFO (ST11 - ST13) ; FIFO (ST21,
 ST22) ; (6)
 (ST23 - ST26) ; UART
 UART (ST27) .

(ST11 - ST13) , UART (1) ,
 가 8 FIFO .
 (ST23 - ST26) , (6) , .

(UART) .

UART (1) CPU UART 가 (ST1
 1). 가 8 (3) FIFO (ST12,ST13).
 (3)
 (ST21,ST22).

(ST23). ,
 (3) (5)
 (4)
 (5) (ST24,ST25,ST26).

UART
 (ST27). (6) / (7)
 / UART (7) CPU 가 UART (1)
 . UART CPU 가 .

(UART) , CPU UART
 , CPU , (cost)
 .

(57)

1.

UART, CPU UART UART ;

UART / ;

/ FIFO(First In First Out;) , F

IFO ;

;

;

UART

/ (UART) .

2.

CPU , CPU UART

(start bit) CPU UART UART

FIFO ;

;

UART UART

UART .

3.

2 , ,

UART FIFO , 가 8

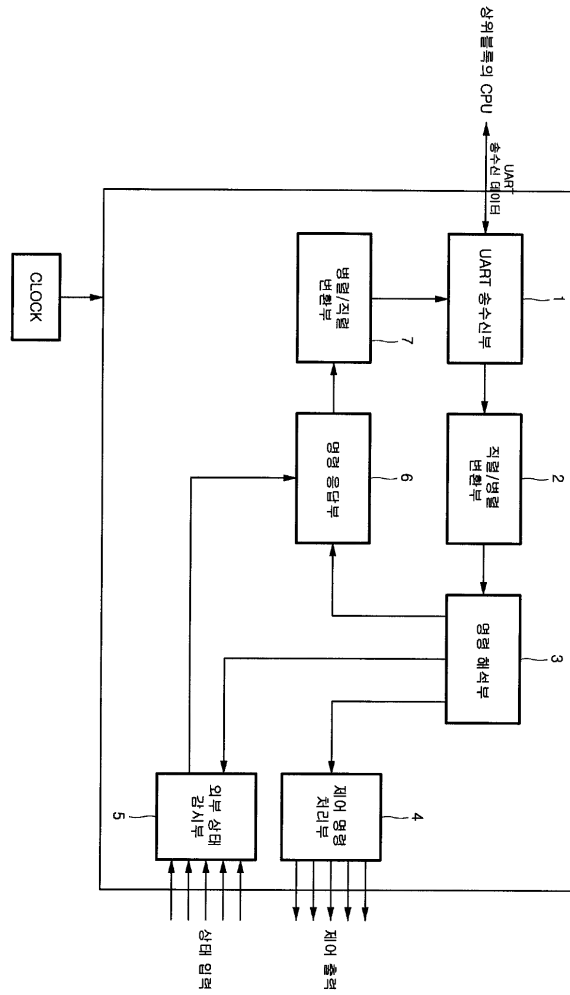
UART .

4.

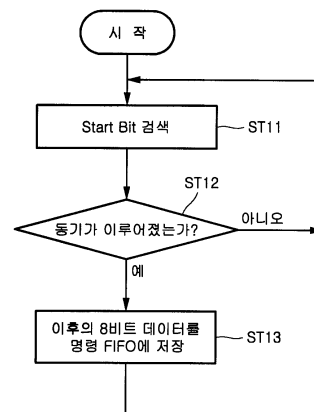
2 , ,

UART

1



2a



2b

