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(51) 。 Int. Cl. ⁷
H04L 12/24

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(24)

2001 07 12
10 - 0291663
2001 03 14

(21)
(22)

10 - 1998 - 0043206
1998 10 15

(65)
(43)

2000 - 0025909
2000 05 06

(73)

20

(72)

951 - 4

(74)

:

(54) ATM

PHY Layer Decoder , LED

Transmit interface signal TxSOC TxAddr[4:0] ,

PHY Layer Decoder TxAddr[4:0] PHY Port) LED ,

LED TxSOC LED

PHY Layer Decoder , UTOPIA 2 LED

ATM Layer PHY Layer

ATM Layer Port , (

1, 2

3 UTOPIA Level 2 transmit interface

UTOPIA (Universal Test & Operations PHY Interface for ATM)
 ATM Forum Technical Committee (data path interface)
 (Physical Layer) (ATM)
 (signal interface spec.)

UTOPIA Level 2

LED

, ATM Layer PHY Layer UTOPIA Level 2 interface signal

1. (Transmit interface signal(ATM Layer = > ATM Layer)

- Txclk: ATM PHY Layer reference Clock

- TxAddr[4:0]: PHY Layer (polling) 5

- Txclav: PHY Layer ATM available

- TxEnb: PHY Layer transmit enable

- TxData:

- TxSOC:

2. (Receive Interface signal(PHY Layer = > ATM Layer)

- Rxclk: ATM PHY Layer reference Clock

- RxAddr[4:0]: PHY Layer (polling) 5

- Rxclav: PHY Layer ATM available

- RxEnb: PHY Layer receive enable .

- RxData: .

- RxSOC: .

* TxAddr[4:0] = "0X1F" RxAddr[4:0] = "0X1F" PHY Layer address
가 PHY Layer 31 .

1 ATM Layer PHY Layer가 PHY Layer
LED .

UTOPIA 2 TxSOC TxAddr[4:0]

1, 2 .

er Decoder LED ATM Layer PHY Layer LED PHY Lay
0] Transmit interface signal TxSOC TxAddr[4:

PHY Layer Decoder TxAddr[4:0] ATM Layer Port , (

LED TxSOC LED

ATM Layer TxAddr[4:0] PHY Layer .

TxAddr[4:0] address bus PHY Layer address .

3 UTOPIA Level 2 transmit interface timing .

ATM Layer PHY Layer(0) 3 TxClk(1) PHY Layer(0) TxClk(2) PHY Layer(0) TxClk(4) TxAddr[4:0] = "'0000' " TxClk(4) TxClk(3) TxAddr[4:0] = "'0000' (" PHY(0)) PHY Layer Decoder T

Txclav 가 PHY Layer(0) TxClk(4) TxClk(3) TxAddr[4:0] = "'0000' (" PHY(0)) PHY Layer Decoder T

TxClk (1) (3) TxAddr[4:0] = "'0000' (" PHY(0)) PHY Layer Decoder T

LED select - port(0) TxSOC (high)

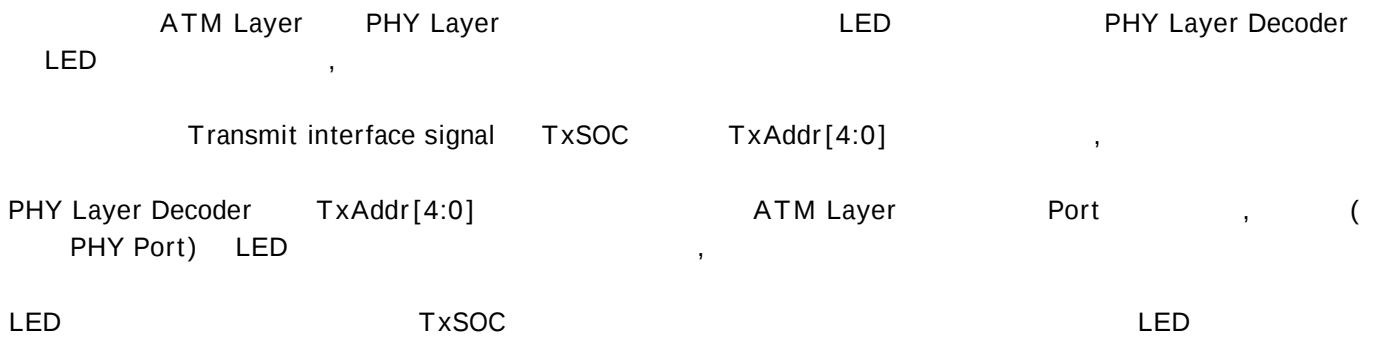
LED - Trigger(0) LED - ON(0) , ATM

UTOPIA Level 2
가 . L

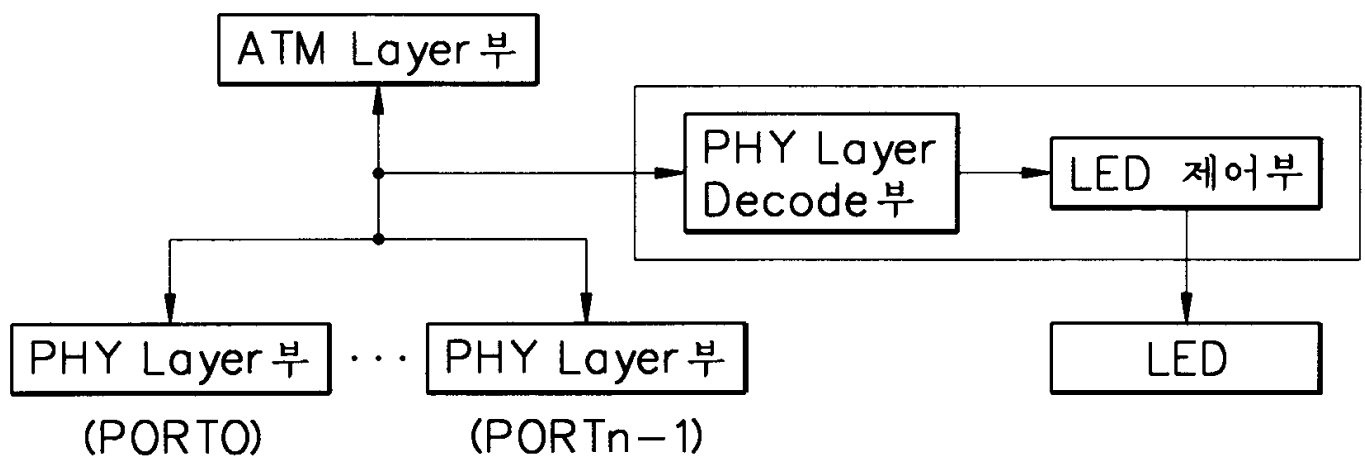
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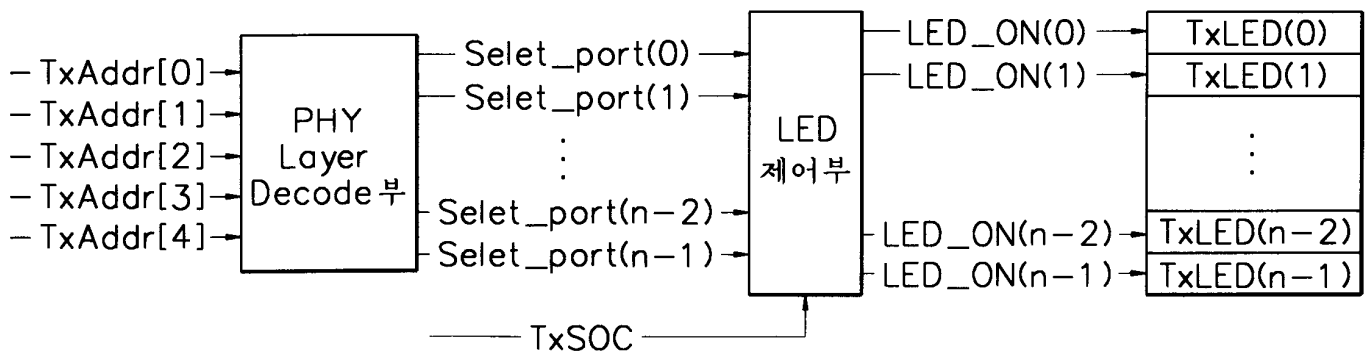
1.



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