

(19)
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10 - 0361223
2002 11 04(21) 10 - 1999 - 0046678
(22) 1999 10 26(65) 2001 - 0020092
(43) 2001 03 15

(30) 1019990033545 1999 08 14

(KR)

(73) 1 809 - 10 14

(72) 2 1319 - 13 807

3 270 - 75 201

(74)

:

(54)

(Paging Inforamtion) (Wireless Communication System)

(Pilot Channels)

가 .

가 , IMT - 200 WCDMA .

2

, , , ,

1 ,

2 ,

3 ,

4 3 ,

5 ,

6 ,

7a, 7b, 7c 가 0dB 8.6dB BER

8a, 8b ,

9 .

(Paging Inforamtion) (Wireless Communication System) (Pilot Channels) , , ,

가 (Multi

Path Fading) (Rake) (Mobile Station: MS) RF(Radio Frequency) (Base Transceiver Subsystem: BTS) (Air Interface) (Call Setup) (Channel) .

(Forward Link) (Walsh Function) 64 (Pilot) , (S ync) , 7 (Paging) , 55 (Traffic) .

7 , 20msec .

(Public Switched Telephone Network: PSTN) (Call)가 (Paging Zone) 가 (Cycle of Slot) .

가 , (Base Station Controller: BSC) CCP(Call Control Processor) TSB(Transceiver Selector Bank) PCM(Pulse Code Modulation)

가 (Mobile Switching Center: MSC) (BSC) (Broadcast) .

5146214 ' , 5909651 ' , 4527

284 .

(Quality of Service: QoS) .

(Interleaving) (Channel Coding) (Channel Decoding) (Deinterleaving)

(Cycle of Slot) 가 .

(ID code)

가

1

(Base station Transceiver Subsystem: BTS)

(Mobile Station: MS)

(Pilot Channel)

(Discrete)

Pilot slots)

(Hash Function)

n - Off - Keying: OOK)

PN

가

(Uncoded)

(Deinterleaving)

(Decoding)

(Slotted Mode)

가

3

4a, 4b

4c

3

4c

4b

4a

3

Slot)

, 20msec

(Pilot Slot)

, 2 (Frame)

3

4 (Hash Function)

80msec

1

(OOK)

(905)

(901)

(903)

9

(Traffic)

가

(Paging indicators)

(Detecting)

가

, 9600bps

12

, 20msec

2

1.25msec

16

가 . 900Mhz 75Hz ,
0dB 8.6dB . 7a, 7b, 7c . 7a
BER , 7b
가 0dB , 7c 7b 가 8.6dB
7b 7c 가 0.5dB ,

가 8a 8b

(805) (801) (803)

(807) (807)

(809) (811)

(Paging Zone Information)

Switched Center: MSC) (Visitor Location Registor: VLR) (Location Registrat (Mobile

(Pilot slots)
().

가 (ID code)

(L) . 6

80msec 20msec

(Hash Fucntion)

(Pulse) (Power Chip)

(Amplitude Shift Keying: ASK)

(L) (m) (n)가 가

가 .

T - 200 W - CDMA 가 , IM
30%
(Interference) (Neighbor Cell)
가
(Detection Probability)

(57)

1.

2.

1 ,

3.

1 ,

4.

1 3 ,

(On - Off - Keying)

5.

6.

5 ,

.

7.

5 ,

.

8.

5 7 ,

(On - Off - Keying)

.

9.

(W)

,

.

10.

9 ,

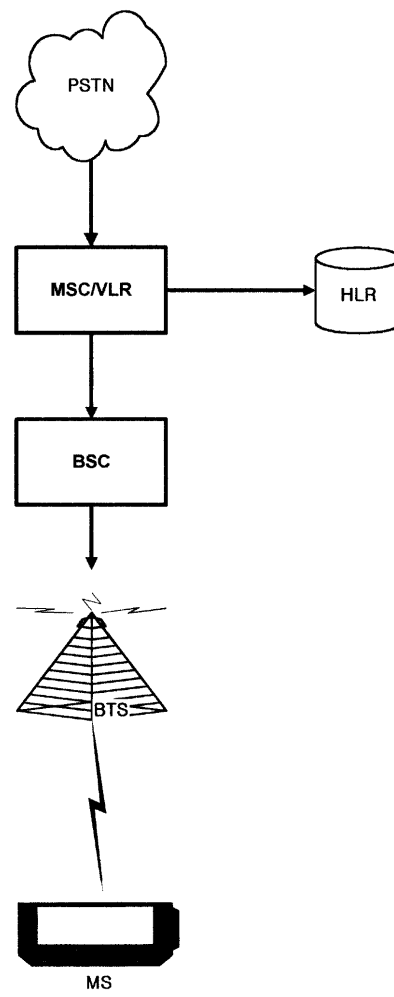
(W)

(Amplitude Shift Keying: ASK)

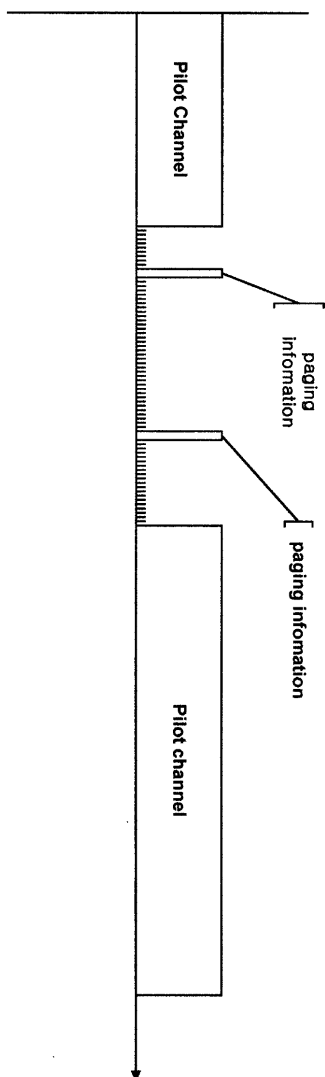
(L) 가

.

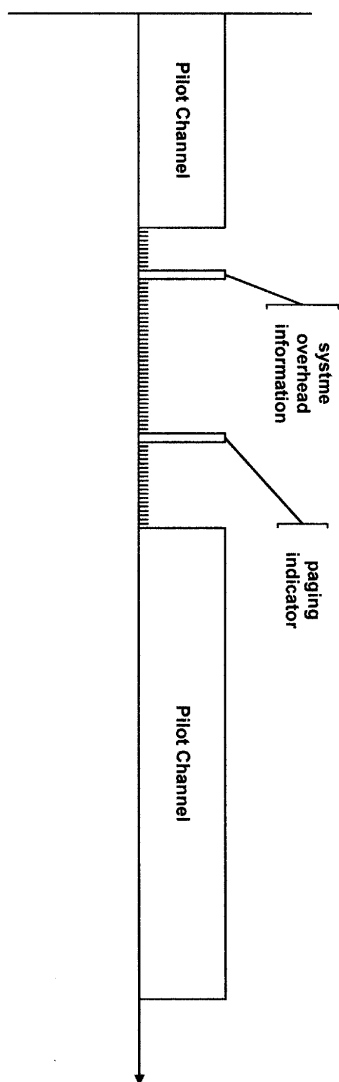
1



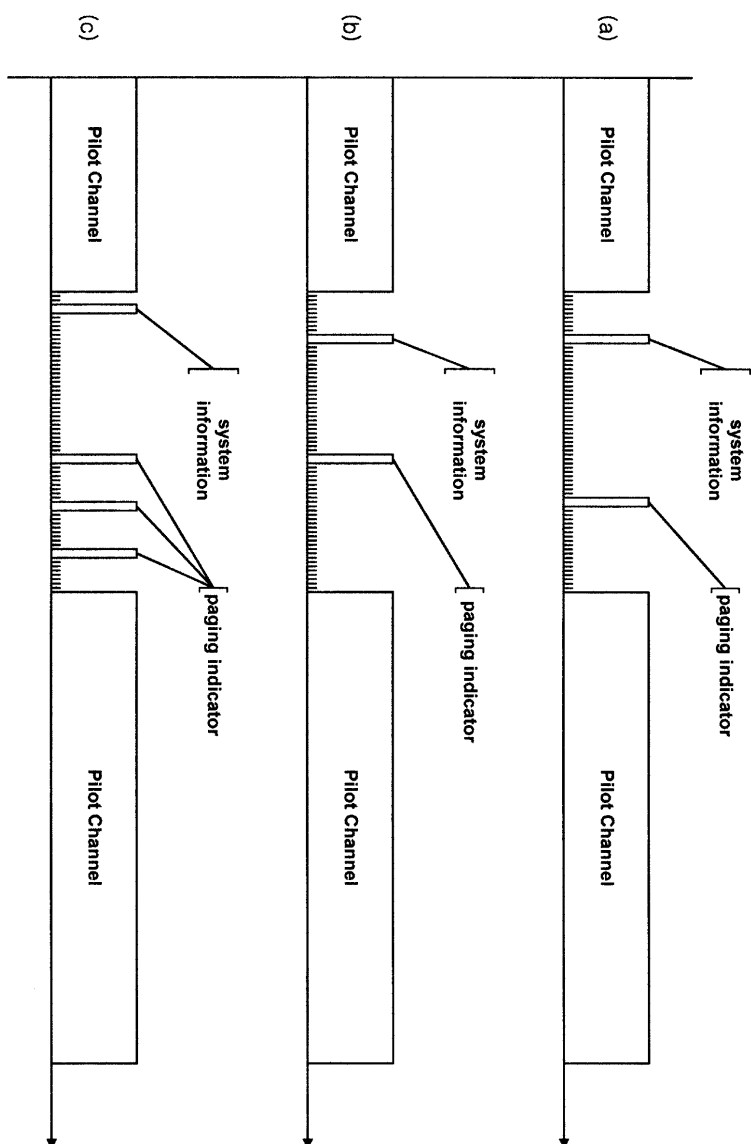
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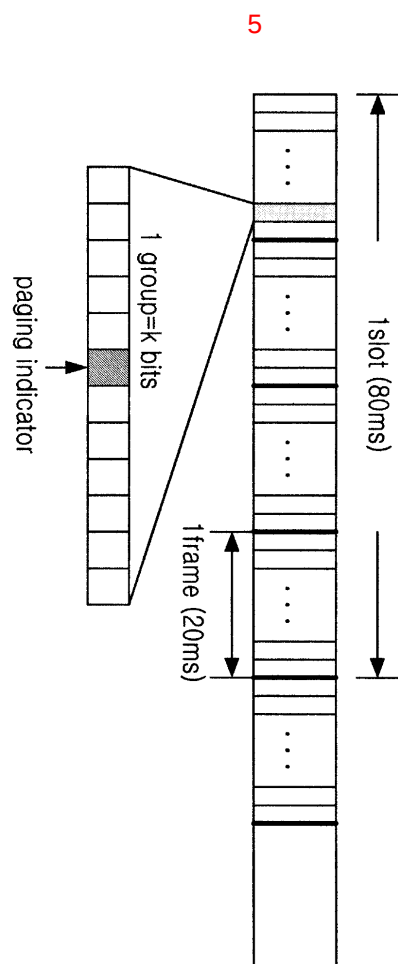


3

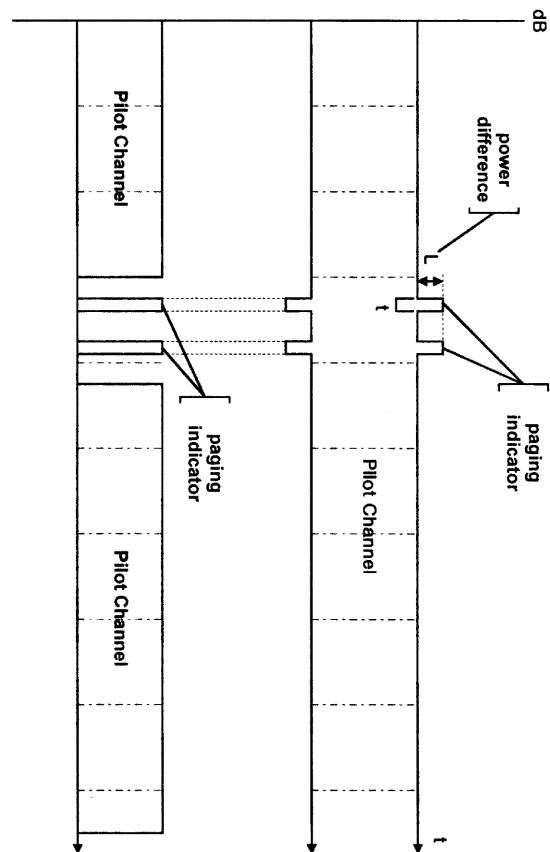


4

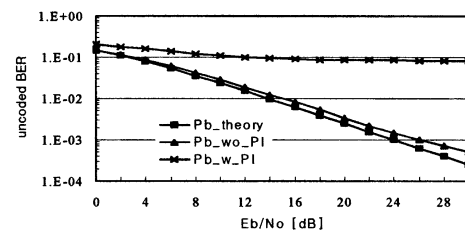




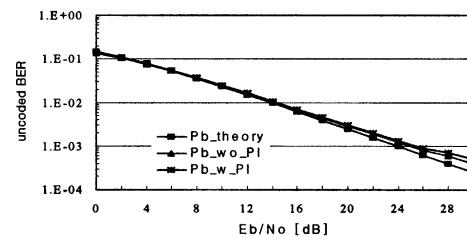
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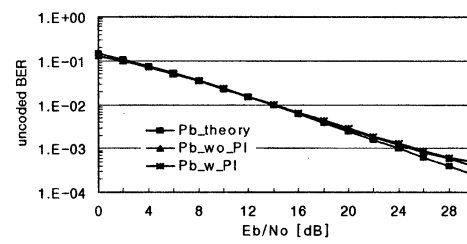
7a



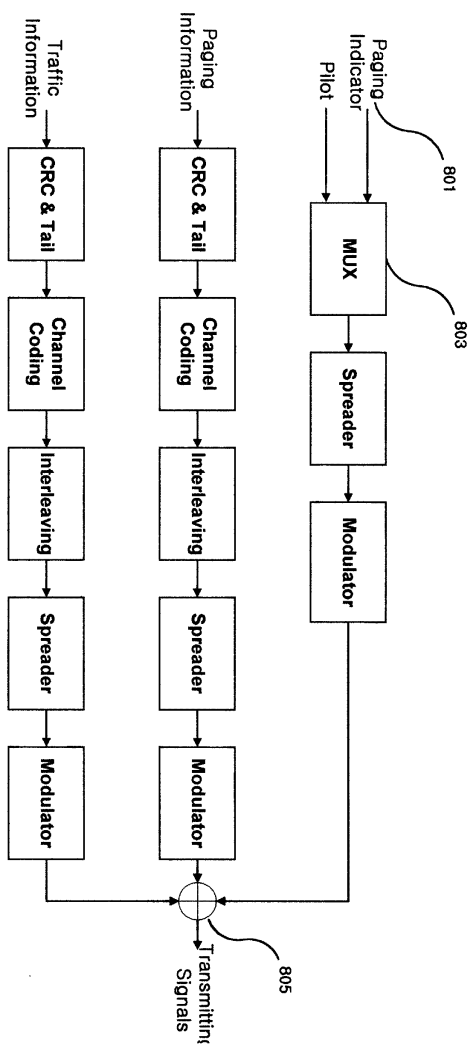
7b



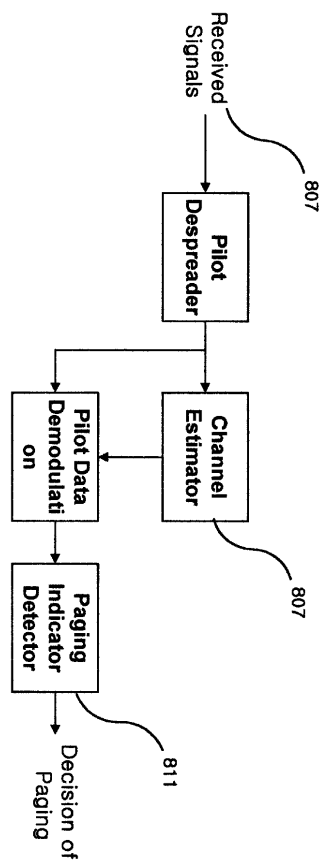
7c



8a



8b



9

