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(12) (B1)

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(30) 1020010050949 2001 08 23 (KR)

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806 901

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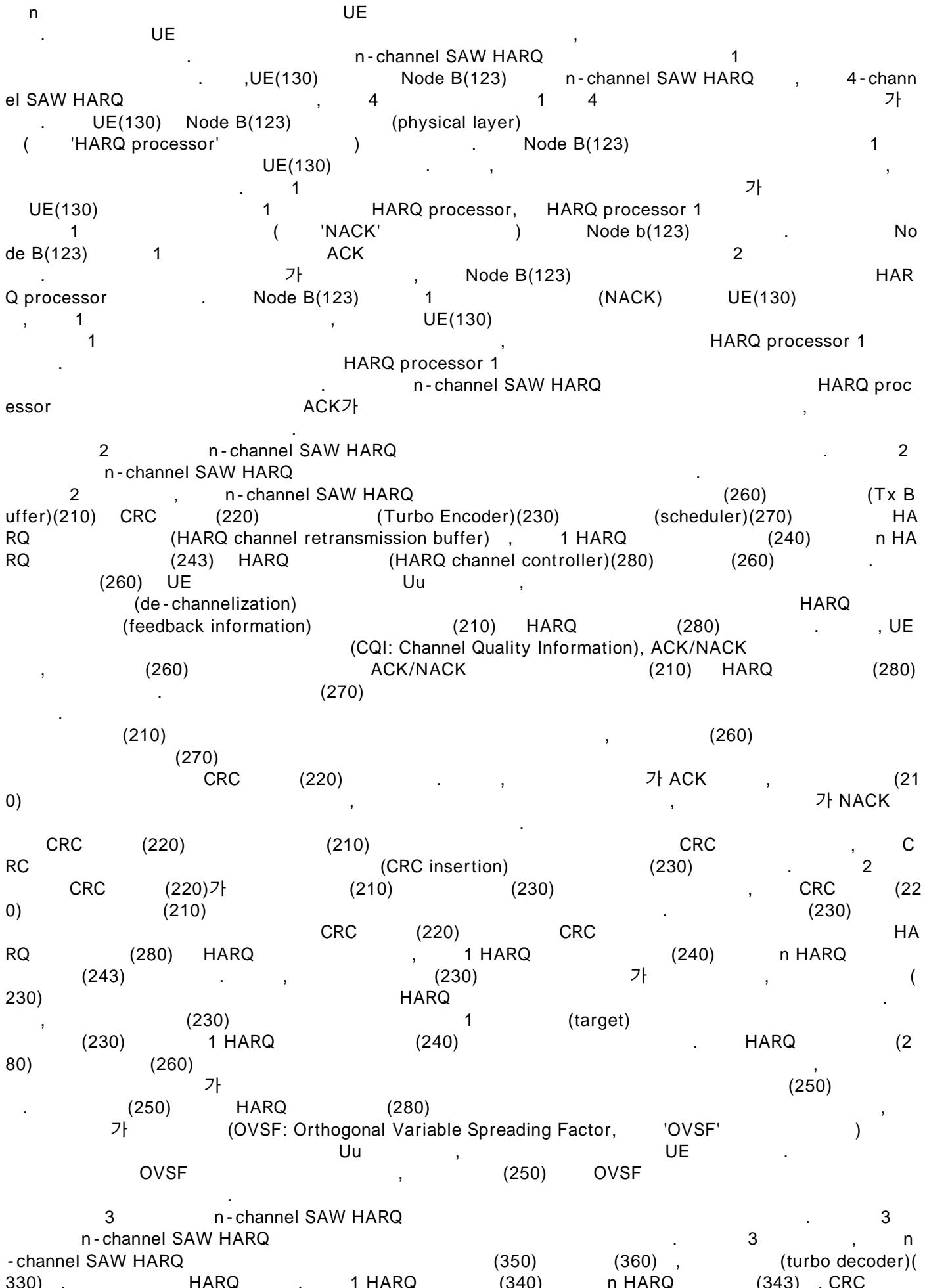
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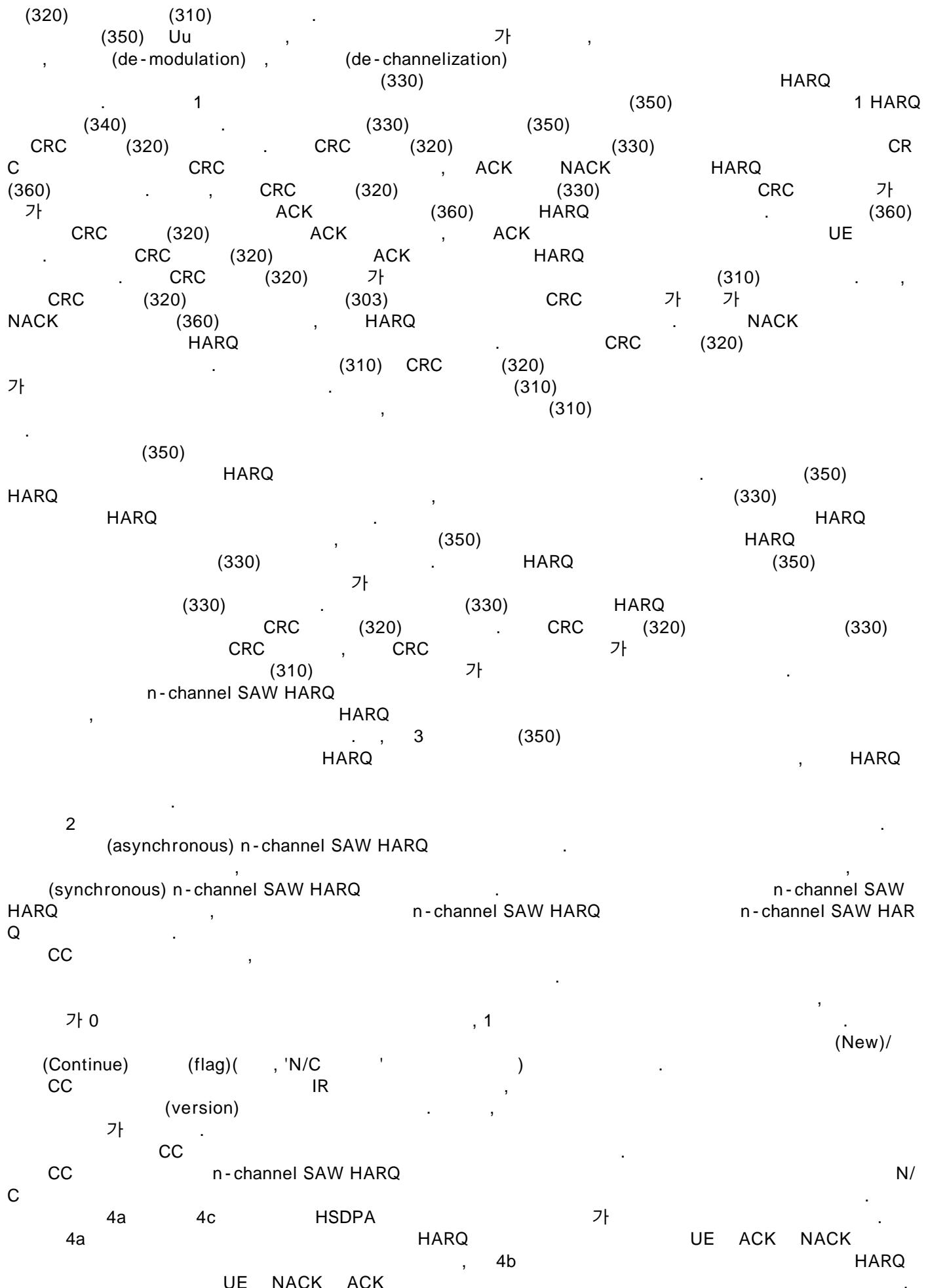
1	UMTS			
2	n-channel SAW HARQ			
3	n-channel SAW HARQ			
4a		HARQ	UE	ACK NACK
4b		HARQ	UE	NACK ACK
4c		HARQ		
5		Node B	HARQ	
6		UE		
7		UE가	HARQ	
8		가	HARQ	
9		가	HARQ	

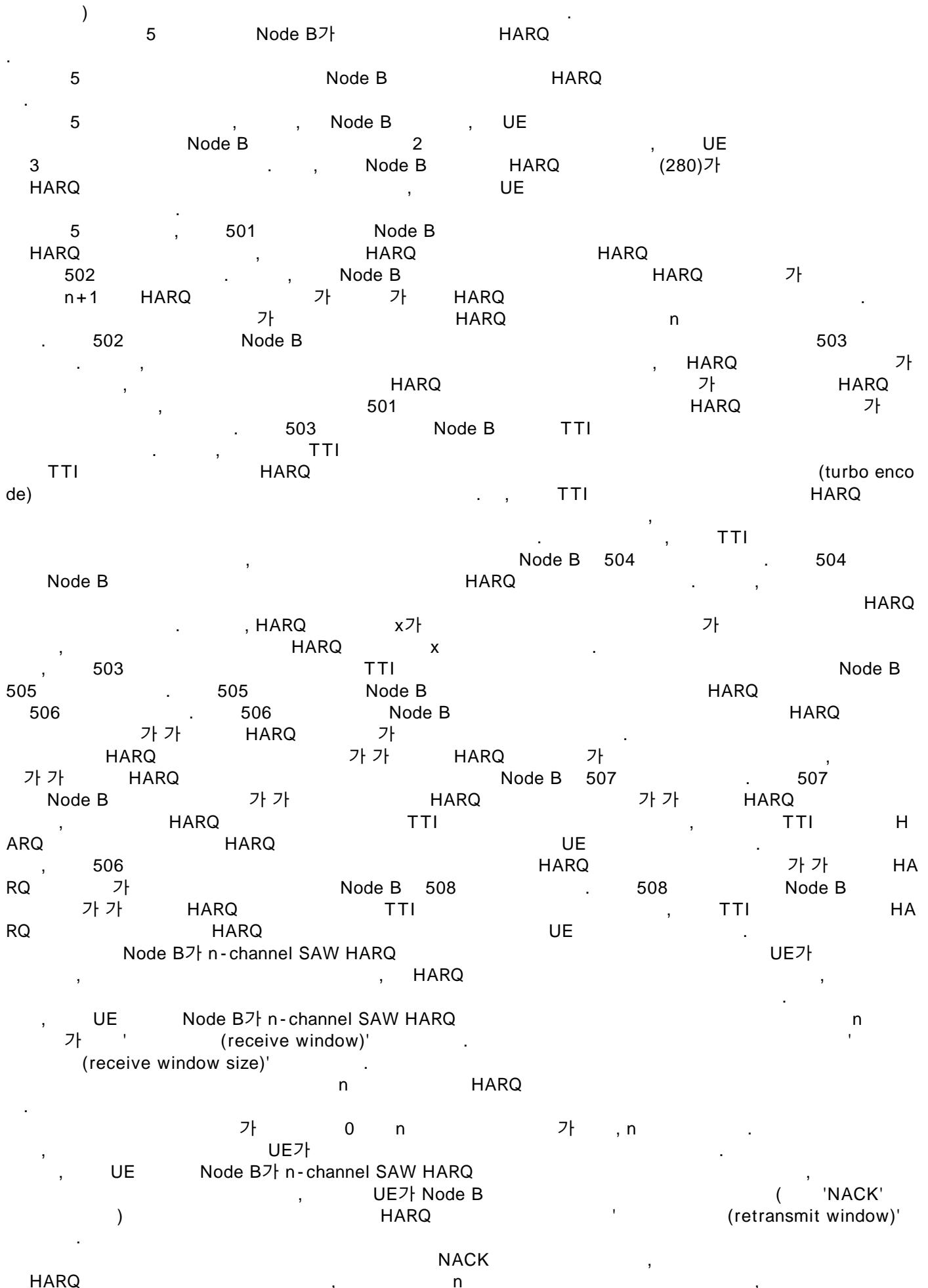
) , (HSDPA: High Speed Downlink Packet Access, 'HSDPA'
) UMTS(Universal Mobile Telecommunication System, 'UMTS'
 (HS-DSCH: High Speed-Downlin
 k Shared Channel, 'HS-DSCH')
 HSDPA (AMC: Adaptive Modulation and Coding, 'AMC'
), (HARQ: Hybrid Automatic Retransmission Request, 'HARQ'
) (FCS: Fast Cell Select, 'FCS') 1 U
 MTS , AMC , HARQ FCS
 1 UMTS (CN: Core Network)(100) (RNS: R
 UMTS (110, 120)
 radio Network Subsystem, 'RNS') (130) (UE: User Equipment,
 'UE' (130) RNS(110) RNS(120) (RNC: Radio Netwo
 rk Controller, 'RNC') (Node B)(Node B

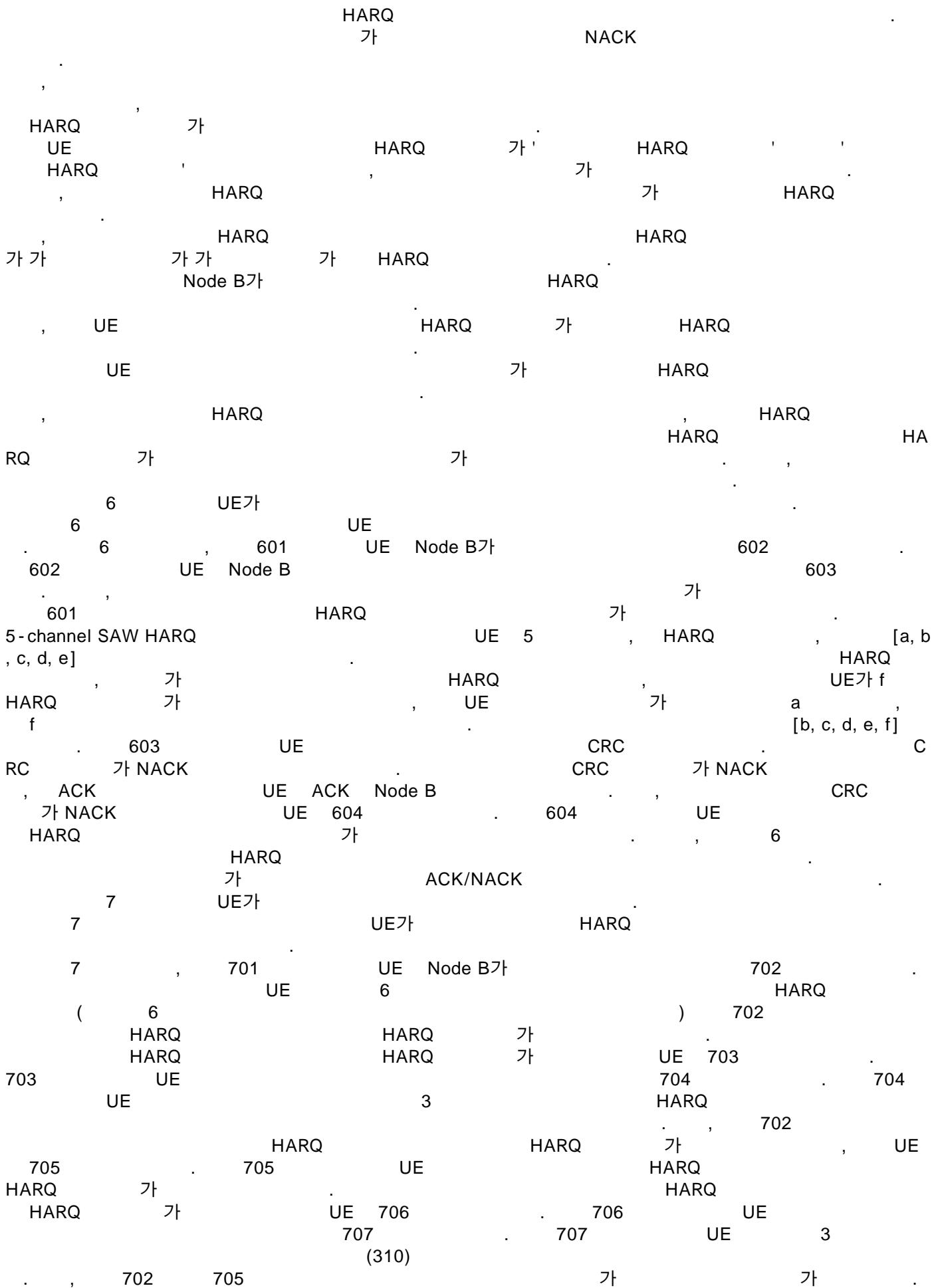
The diagram illustrates the HSDPA handover process between Node B(113) and Node B(123). The process involves several steps:

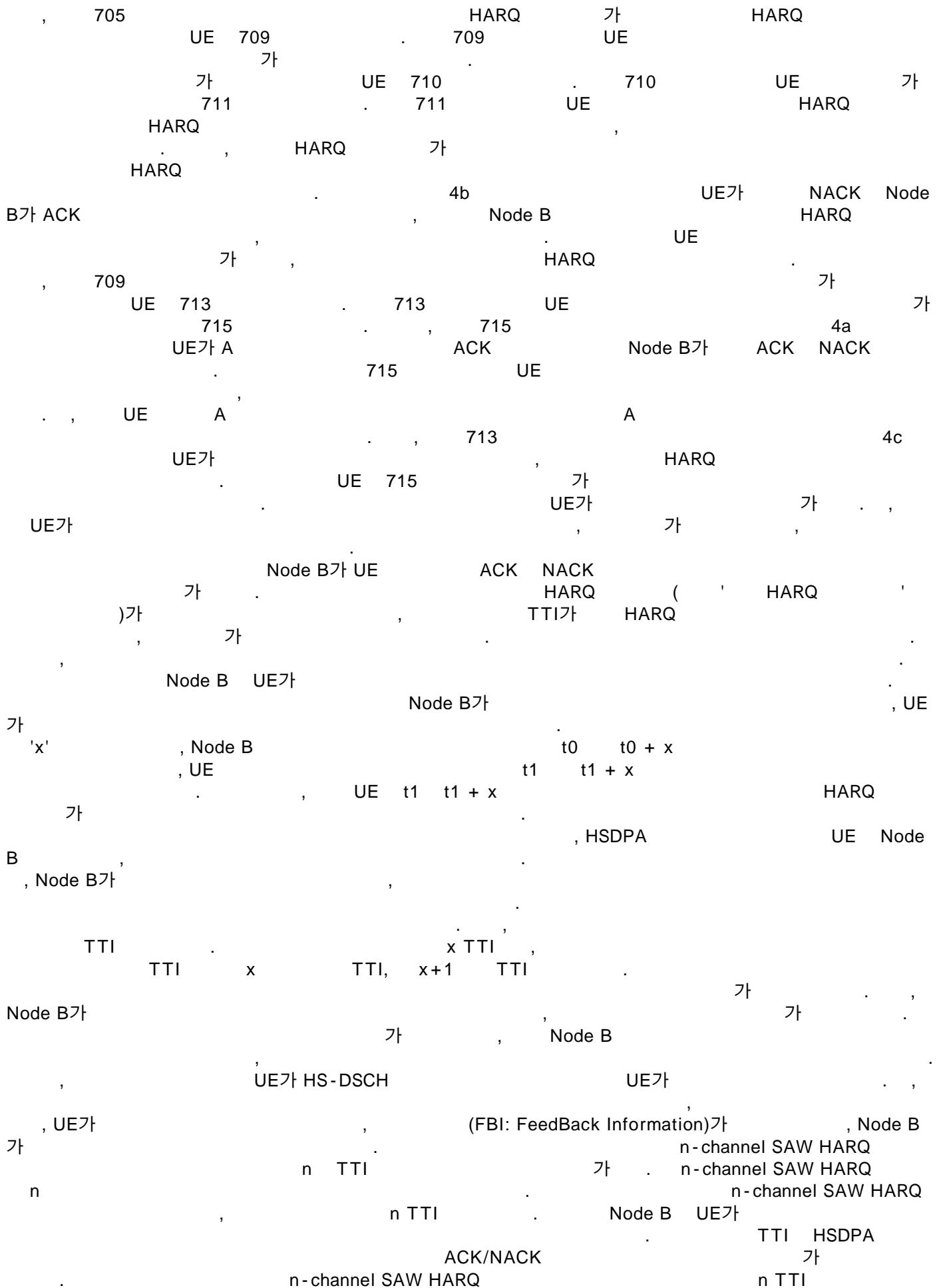
- Initial State:** UE is connected to RNC(111) via SRNC, which is controlled by CRNC.
- Handover Request:** UE sends an AMC (Modulation and Coding Scheme) request to Node B(113).
- Handover Decision:** Node B(113) performs soft handover, selecting Node B(123) as the best cell based on BCI (Best Cell Indicator).
- Transmission:** UE transmits HS-DSCH data over the Radio Link to Node B(123).
- Retransmission:** If automatic retransmission is requested, Node B(123) performs Chase Combining (CC) on the received data symbols.
- CRC Check:** CRC is performed on the received data.
- ACK/NACK:** Node B(123) sends an ACK or NACK to the UE.
- Handover Completion:** The handover is completed, and the UE is connected to Node B(123).

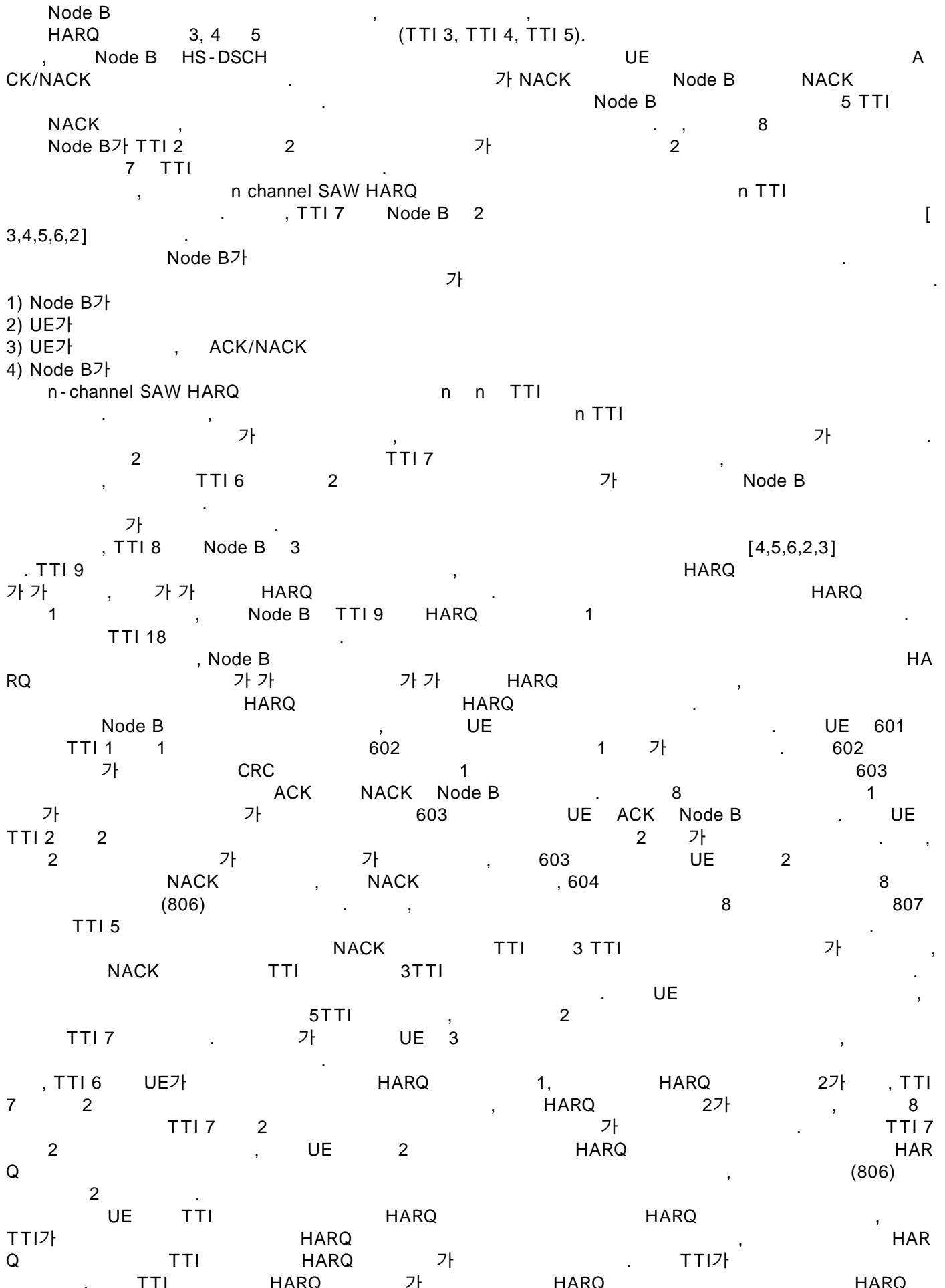


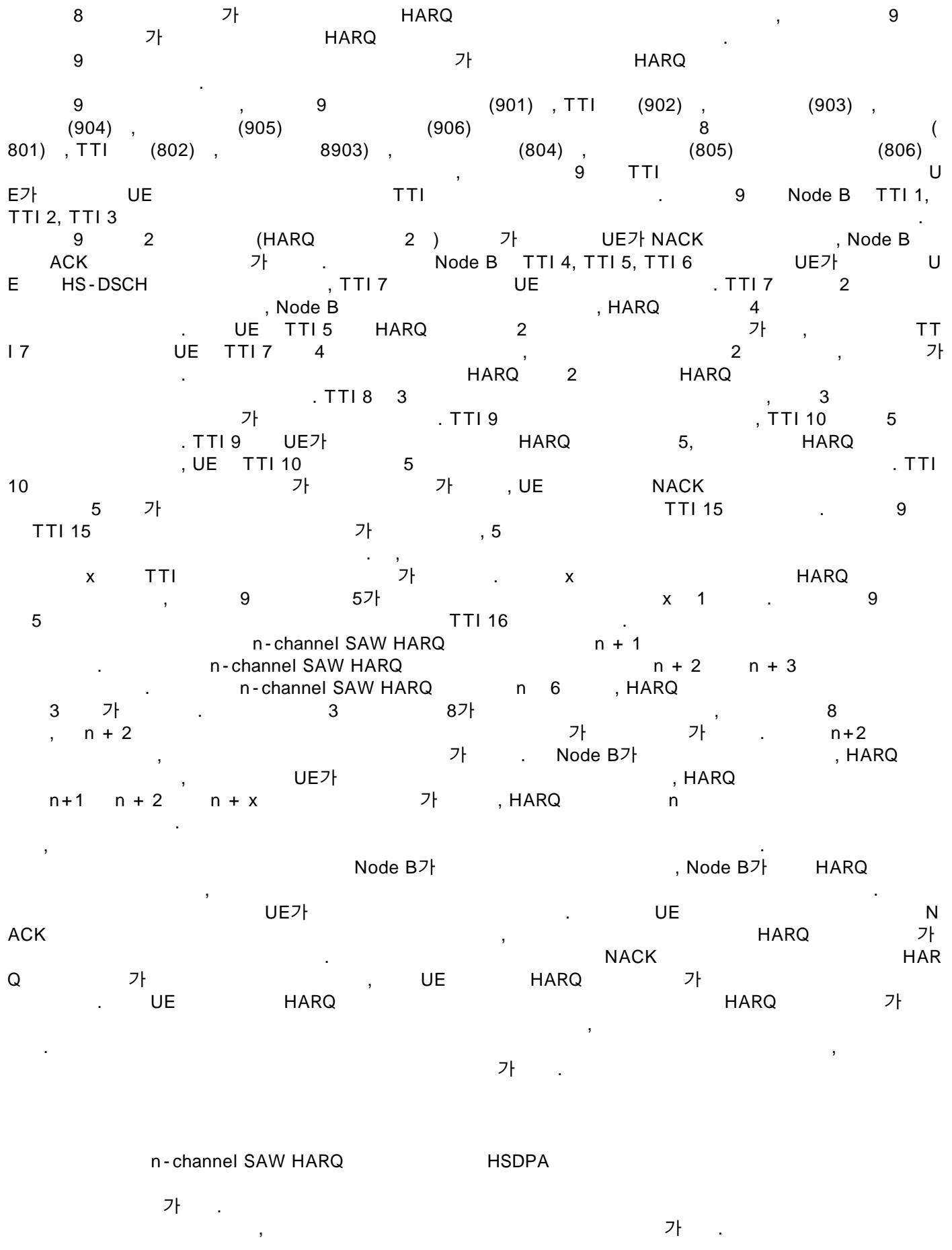




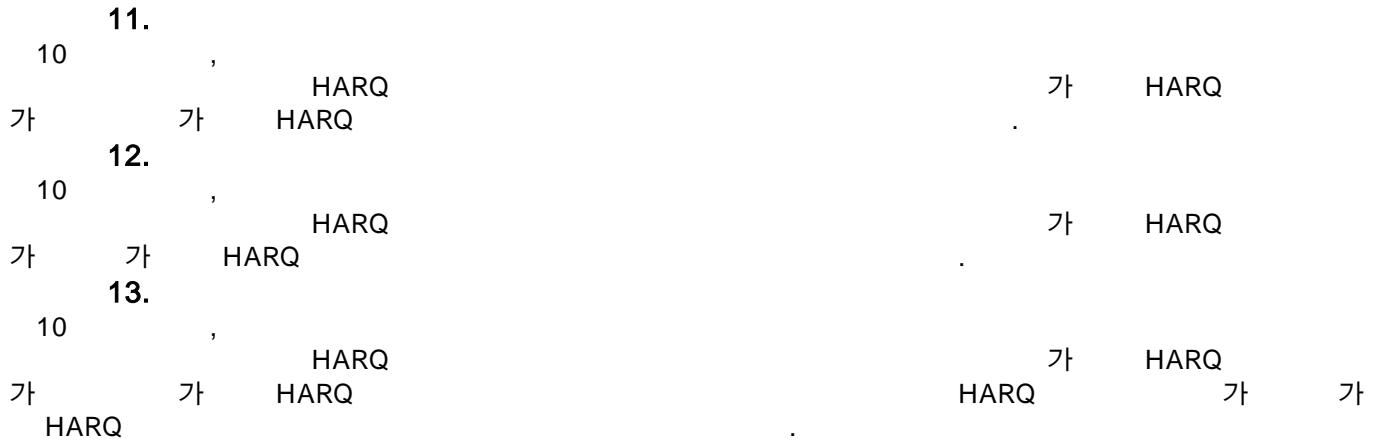




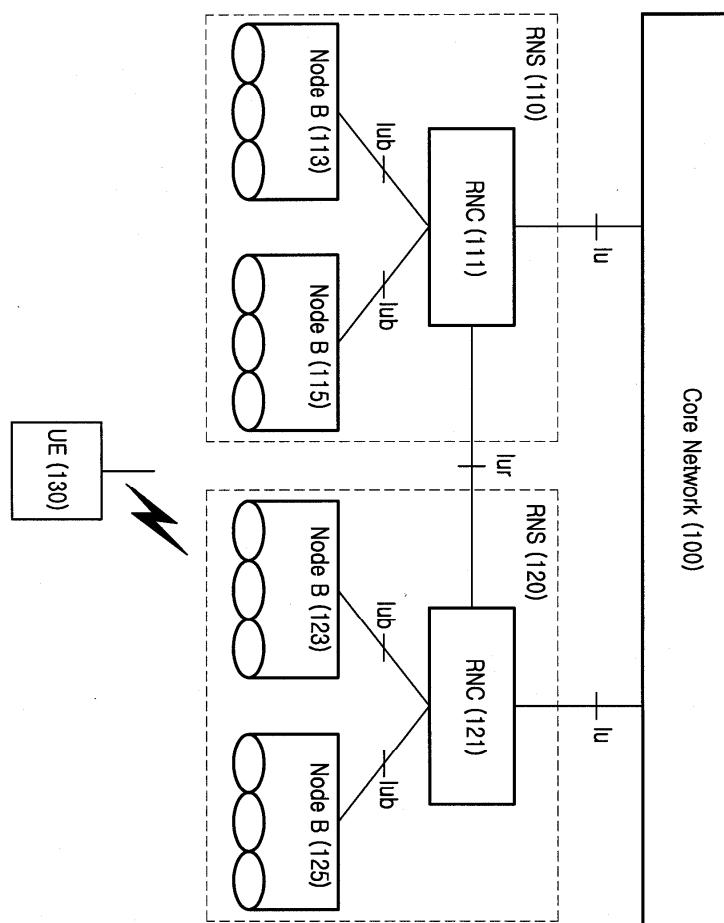


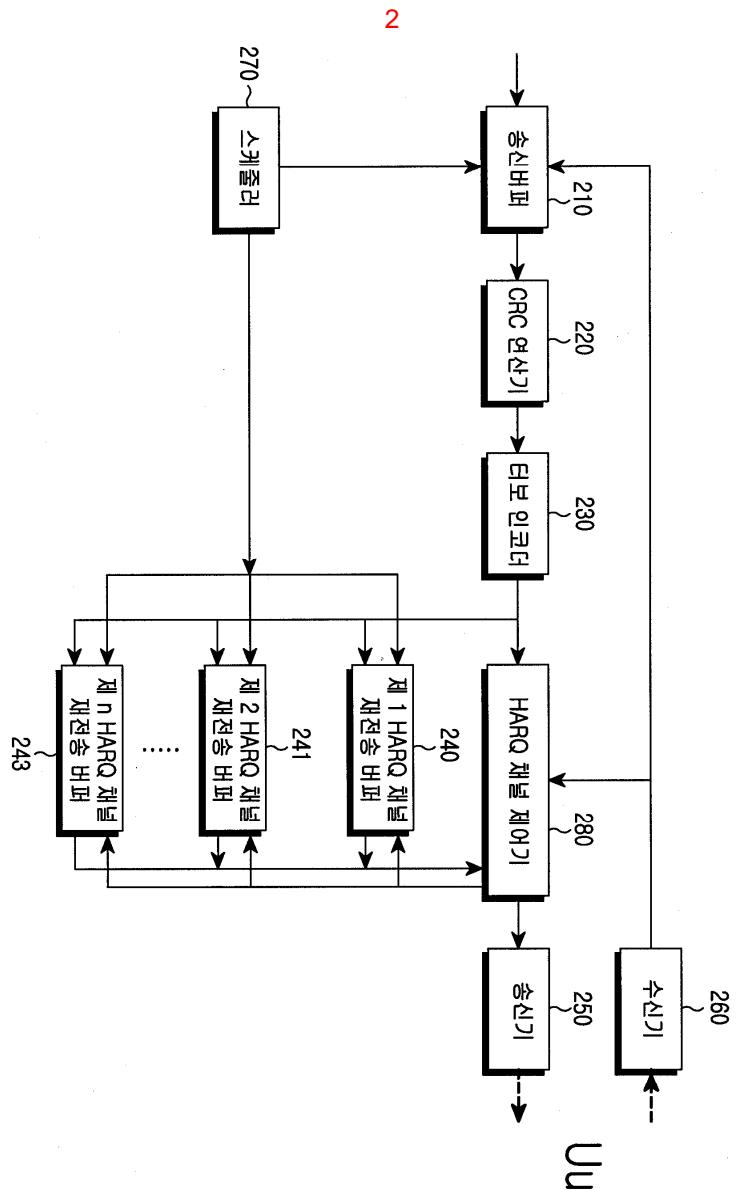


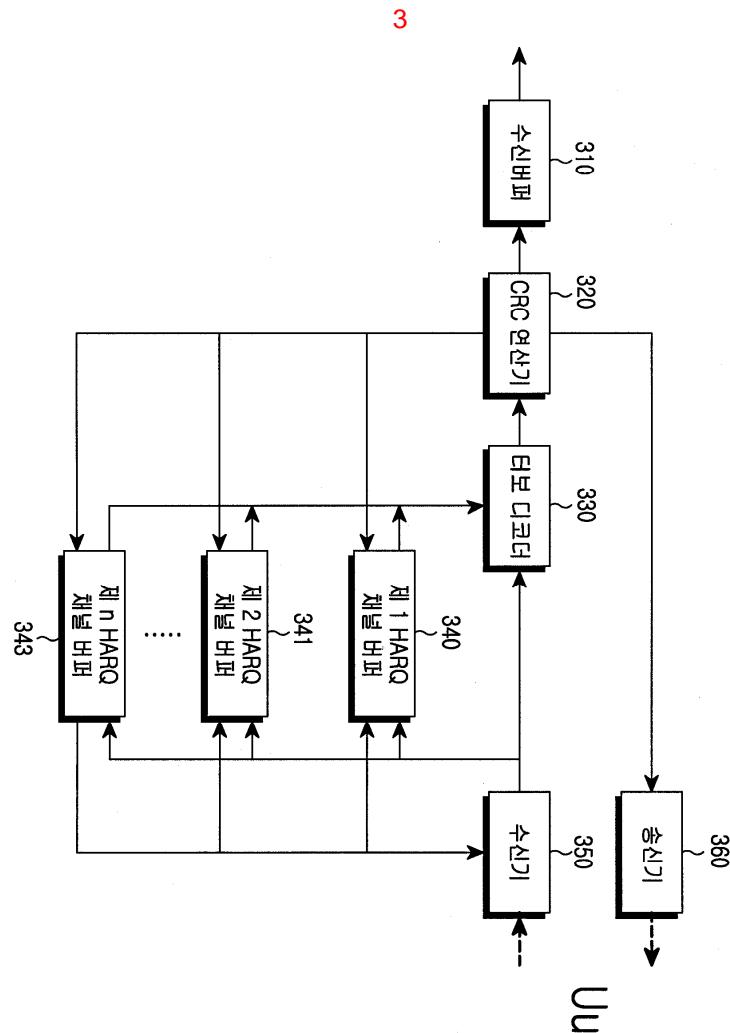




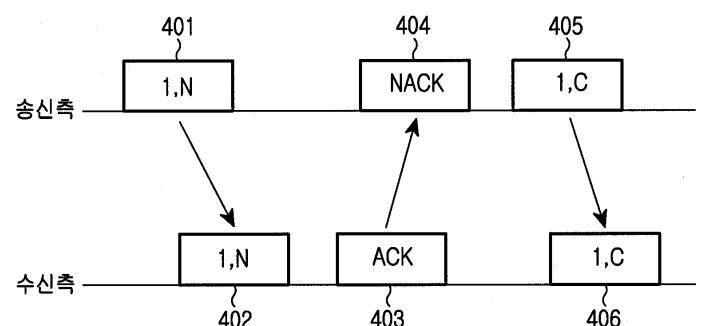
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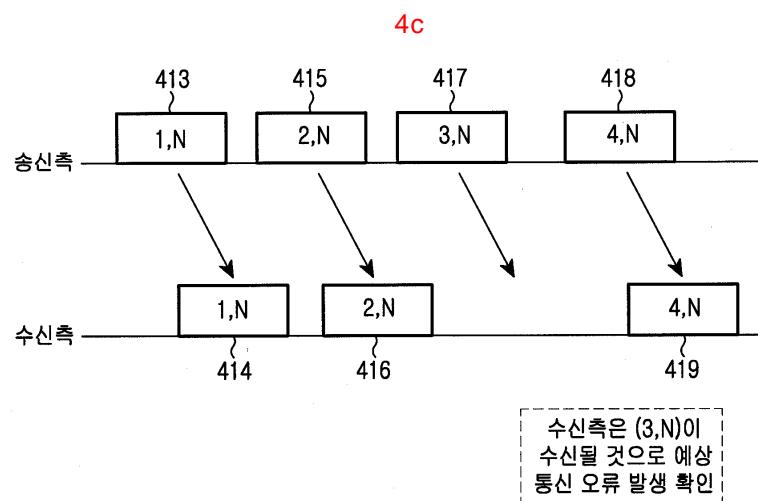
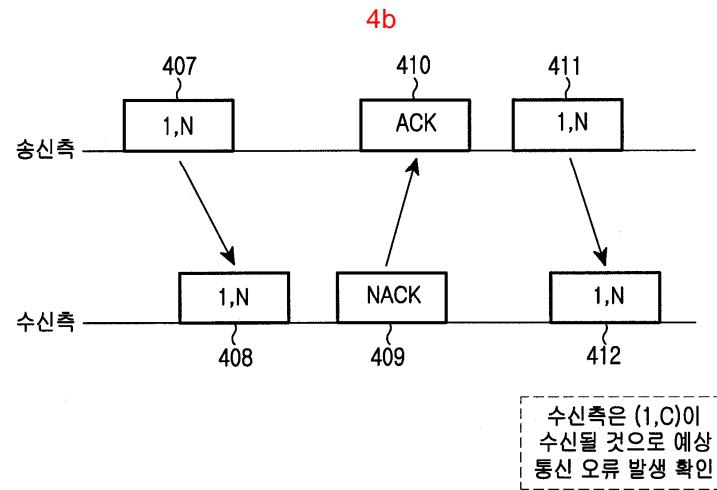


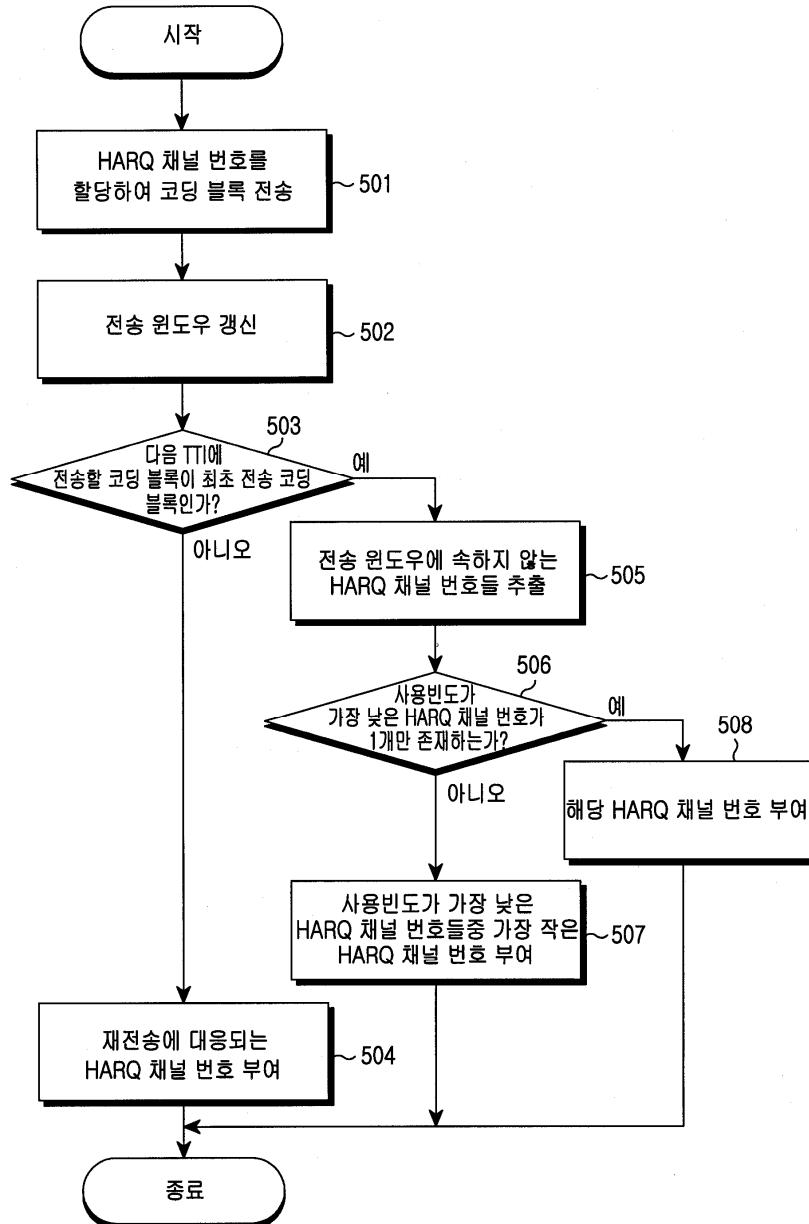


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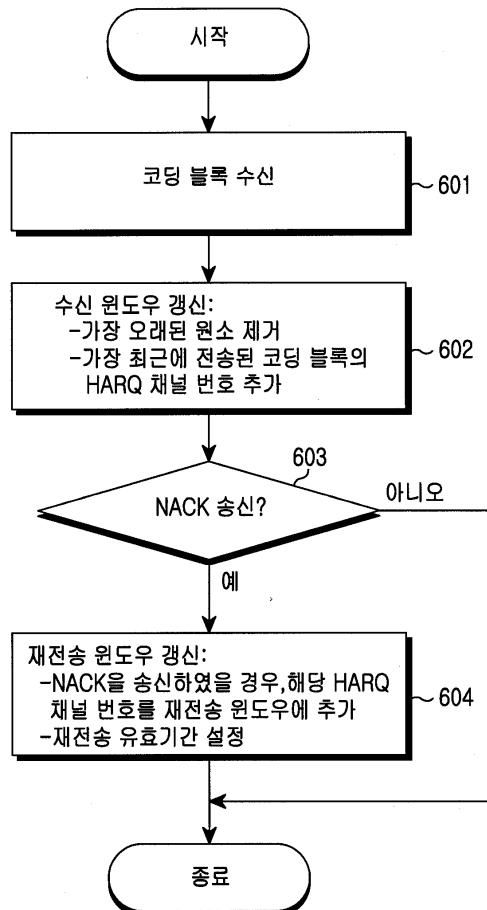


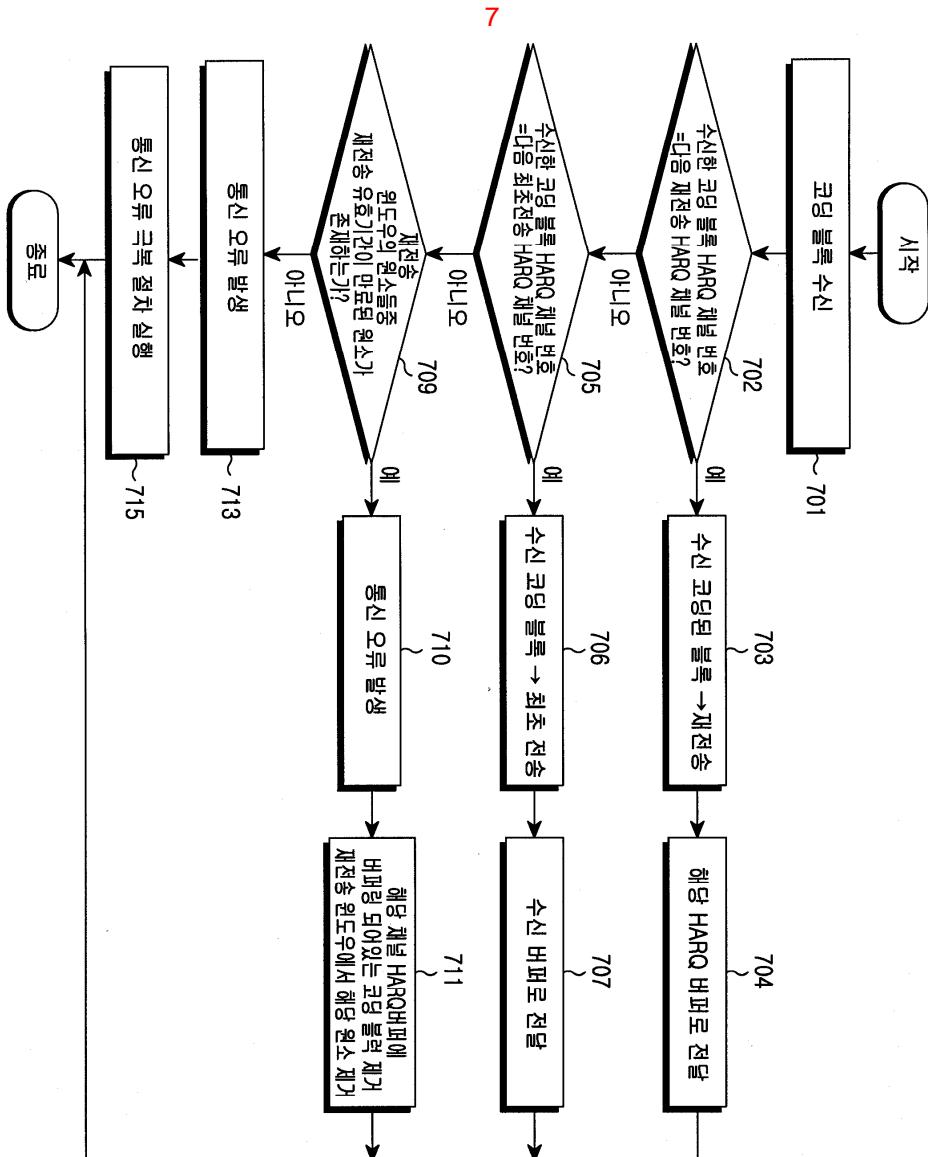
수신측은 (1,N)이
수신될 것으로 예상
통신 오류 발생 확인



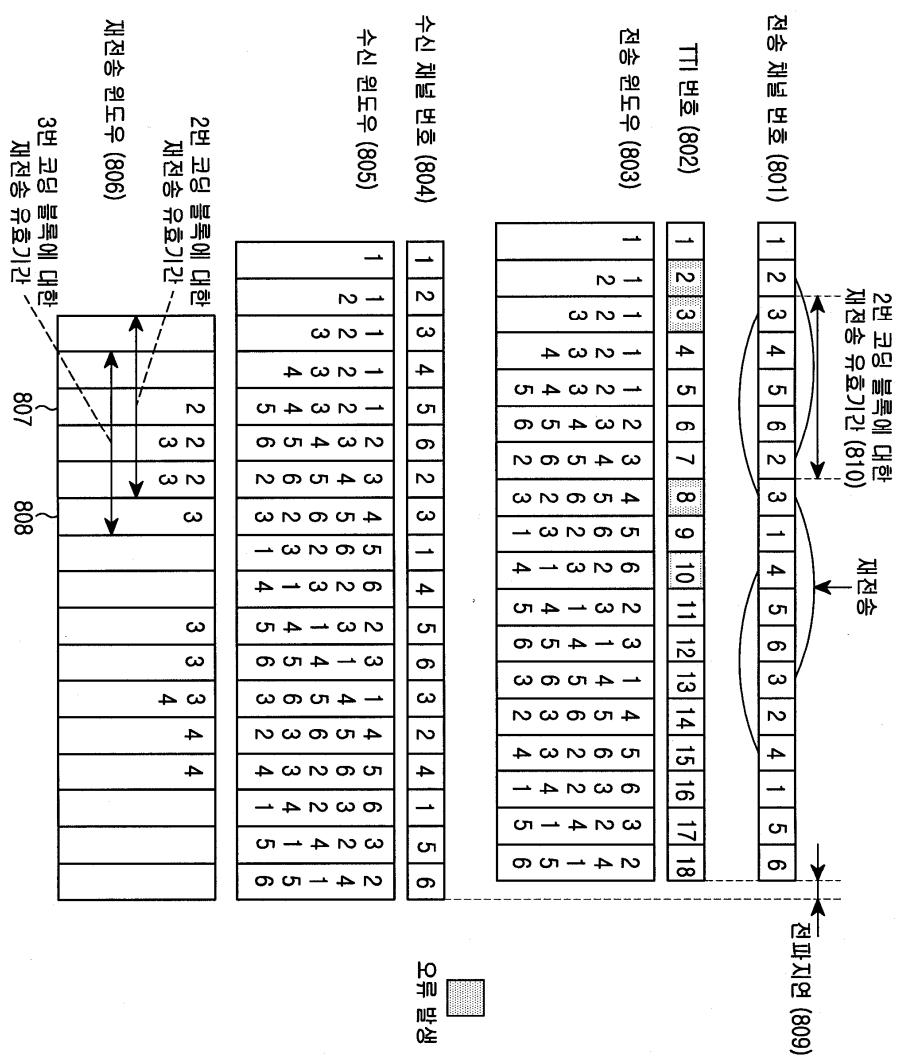


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9

전송 채널 번호 (901)

1	2	3		4	3	5	6	1	3	2	5	1	4
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5번 코딩 블록에 대한
재전송 유효기간
안료

PTI 번호 (902)

수신 채널 번호 (904)

수신 원도우 (905)	수신 채널 번호 (904)
1	1
1	2
1	3
2	4
1	5
3	6
2	1
1	3
3	5
2	6
1	1
3	2
3	3
2	4
1	5
3	6
4	1
3	2
3	3
2	4
1	5
5	6
3	1
5	2
4	3
3	4
2	5
1	6
6	1
5	2
4	3
3	4
2	5
1	6
7	1
6	2
5	3
4	4
3	5
2	6
1	1
8	2
7	3
6	4
5	5
4	6
3	1
2	2
1	3
9	4

재전송 윈도우 (906)

오류 발생
 다른 UE에게
 할당된 TTI