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2003 08 09
10-0394038
2003 07 25

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(43)

2003-0001633
2003 01 08

(73) 99

(72) 101-401

105-506

809-1101

() 910-702

(74)
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(54)

(W-CDMA)

(USTS)

W-CDMA

USTS

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USTS

(Macro Cell)

(Tref) 1 ;

(Tref)

,

(Tref,n)

2

, USTS

,

USTS

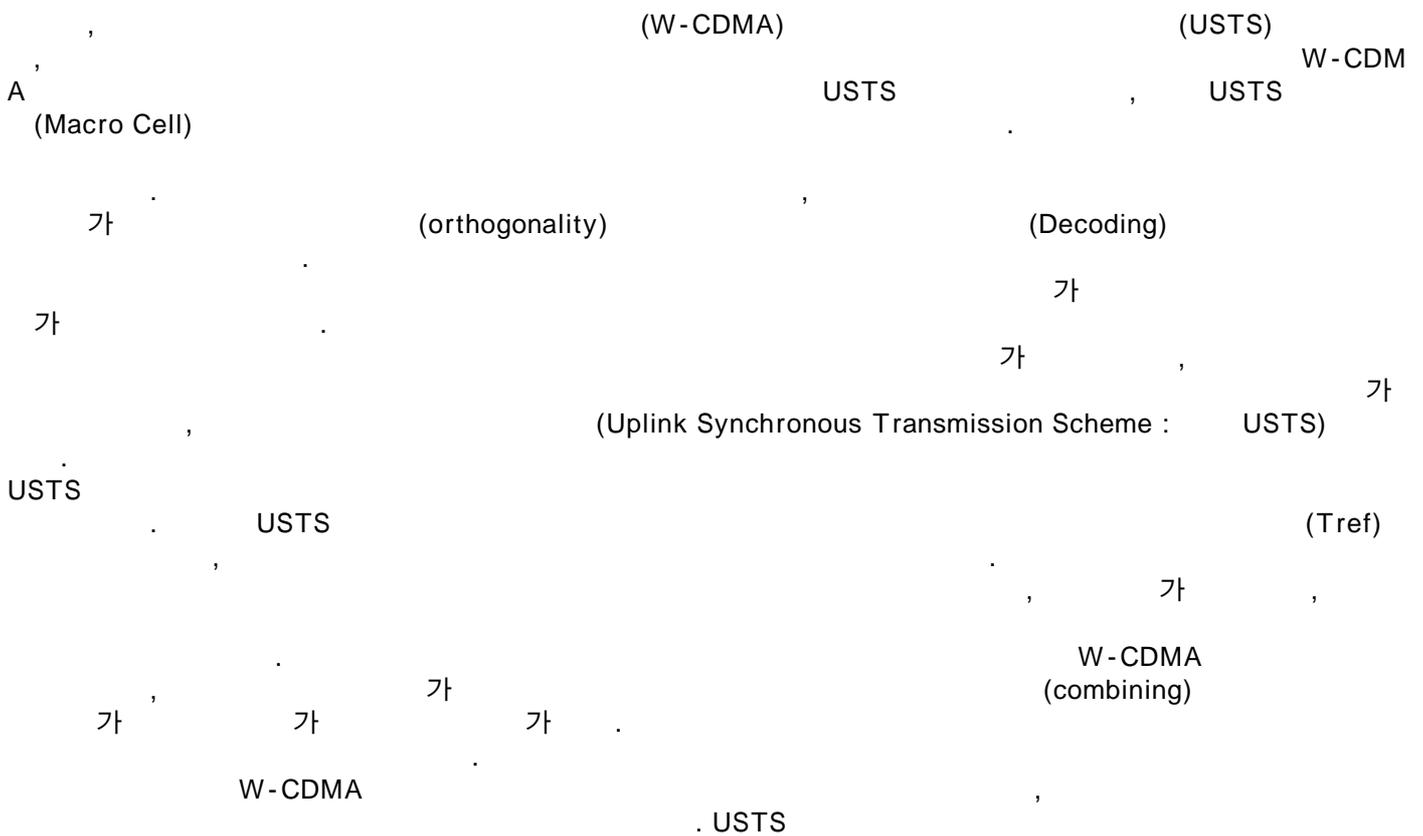
가

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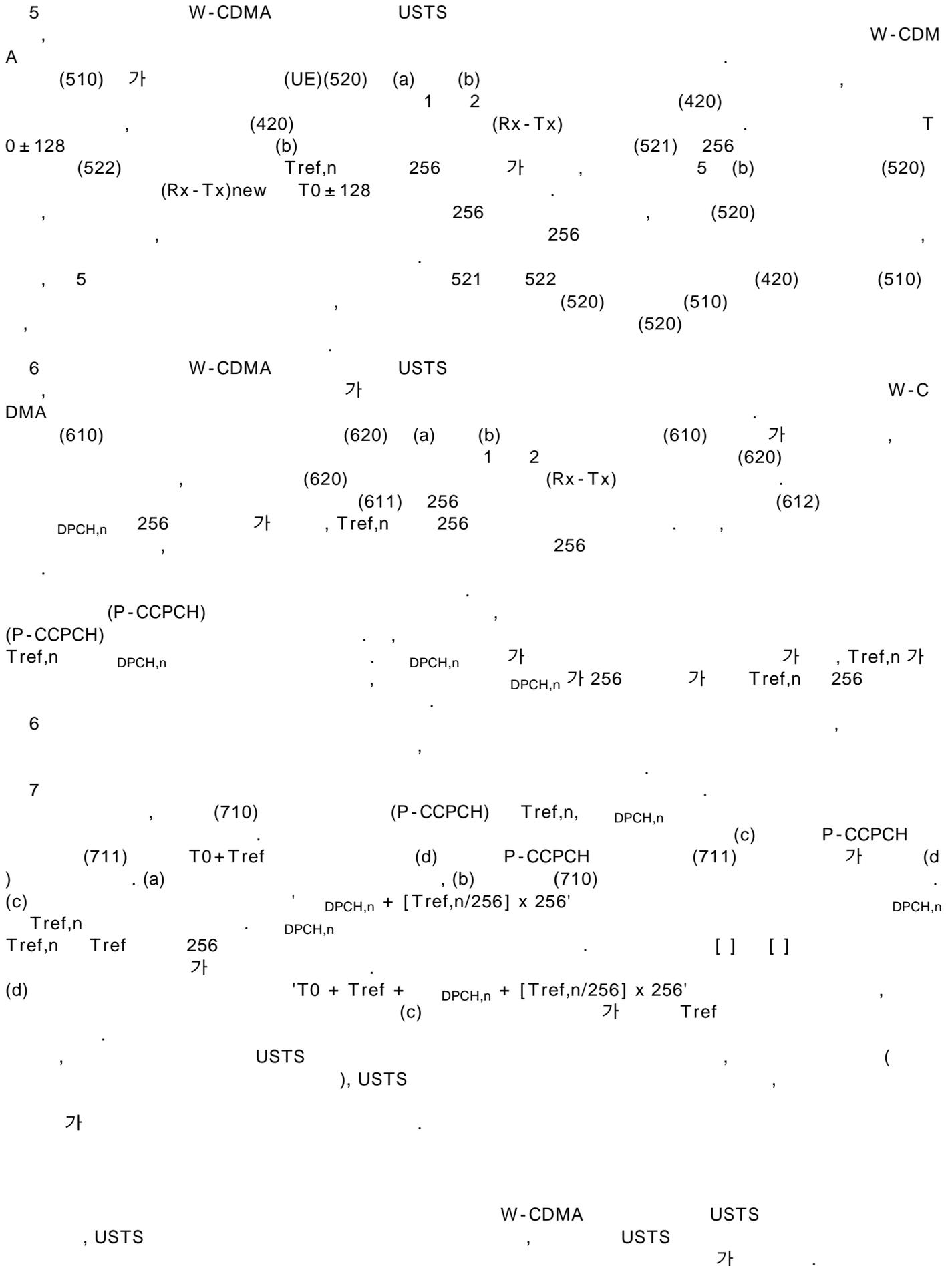
2

1	USTS가			
2	W-CDMA	USTS		
3	W-CDMA	USTS		
4	W-CDMA	USTS	USTS	
5	W-CDMA	USTS		W-CD
6	W-CDMA	USTS		W-C
7				

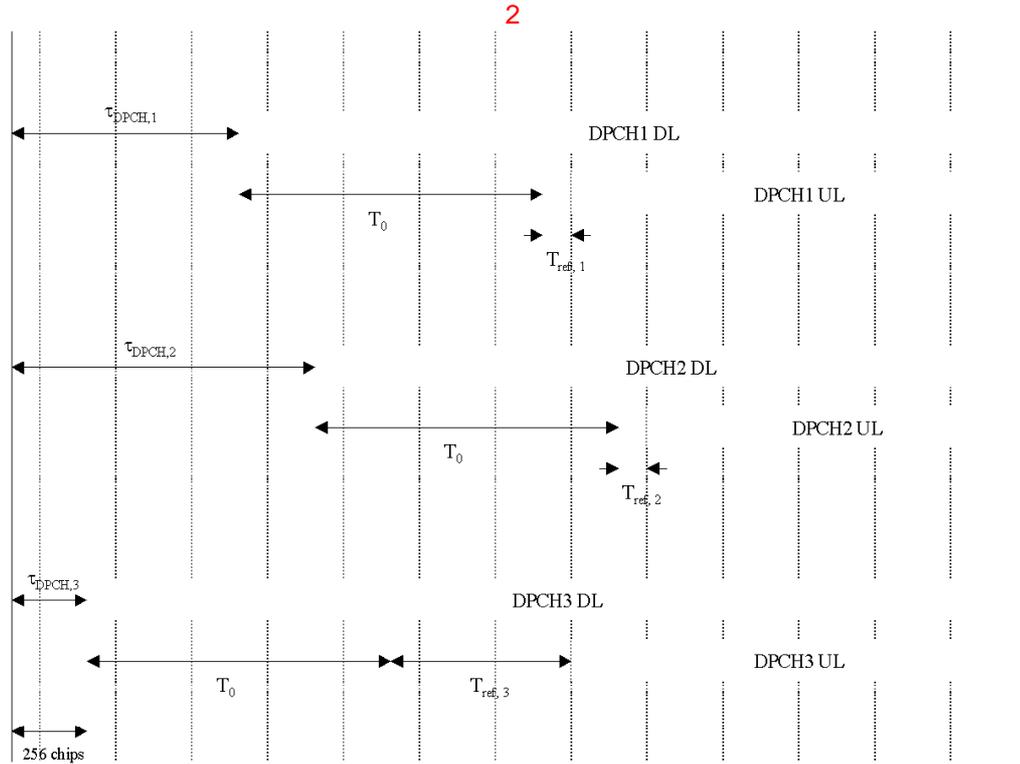
110,310,410,510,610,710 : 120,320,420,520,620,720 :



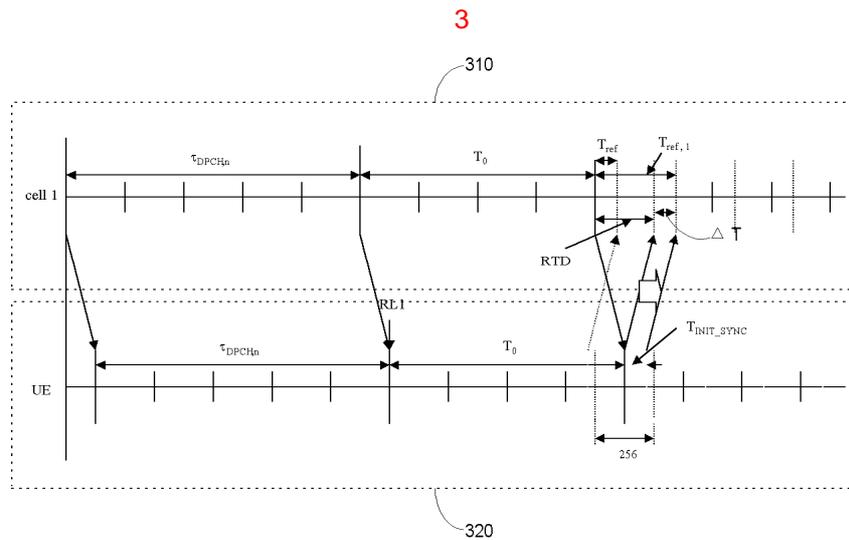
$DPCH_n$ 가 3 USTS Tref,n (Tref,1=Tref,2) 가 1 2
 가 3 1 2 Tref,n (Tref,3=Tref+256*2) 가
 (Tref) 256 (Tref) 'Tref+2
 56*k' , k (Tref,n)
 3 W-CDMA USTS
 USTS T INIT_SYNC Tref,n
 , Round Trip Delay) , 'Tref-RTD' T INIT_SYNC (RTD
 Tref,n 가 , 'Tref,n - RTD' Tref,n
) Tref+256('Tref,n - RTD' T INIT_SYNC , Tref,n Tref (Tref,n - RTD'
 Tref,n Tref + 256 가 'Tref,n - RTD'
 (310) (320)
 (Round Trip Delay)(RTD) (310)
 (Tref, Tref,1.... Tref,n) RTD 가
 Tref,1 Tref,1 (320)
 (T)
 (310) Tref,1 "
 Tref ± 256k - RTD" 가 k , k "Tref,n=Tref+256k"
 4 256 W-CDMA USTS USTS
 USTS 3
 (Rx-Tx) T0
 T INIT_SYNC Tc Tref,n
 가 (410)
 (Round Trip Time)(RTT) , (420)
 (Rx-Tx) Tref,n Tc
 가 T0 가 가 Tref,n
 Tref,n 가 Tref,n (T0 +/-
 128 chip) , DPCH,n DPCH,n 가 Tref,n DPCH,n 가
 가 .) (410) USTS (420)
 (Rx-Tx)
 Tref Tref,1 (Rx-Tx) , (411)
 x)+(T2) , (- T1, T2) , (Rx-Tx)+(- T1) (Rx-T (42
 0) (Rx-Tx)+(- T1) (Rx-Tx)+(T2) (T0)
 , (Rx-Tx)+(T2)
 (410) (Rx-Tx)+(T2) Tref,1 (42
 0) Tref,n Tref,1 Tc
 (411) T2 (420)
 Tc (421) Tc (420) , USTS
 (422) USTS



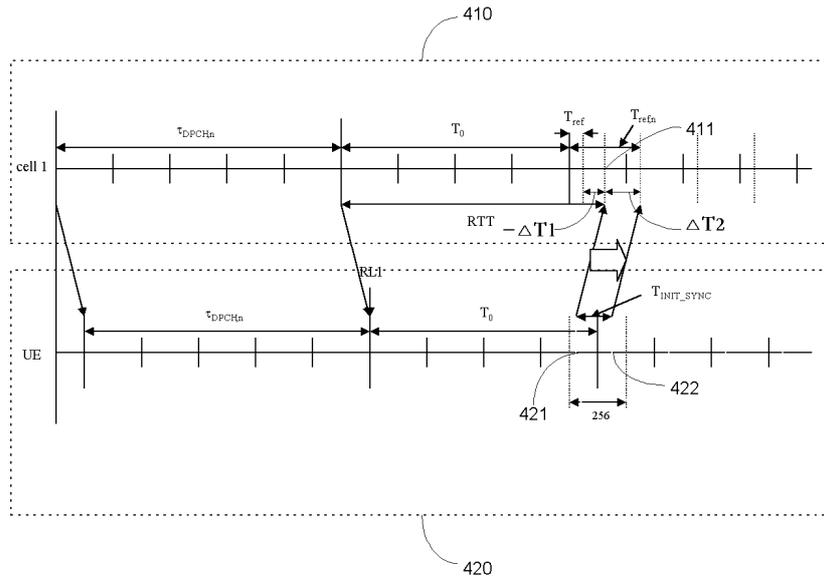
1. (W-CDMA) (USTS) W-CDMA
 USTS (Tref) 1 ;
 (Tref) (Tref,n) 2 ;
2. (W-CDMA) (USTS) W-CDMA
 USTS (Tref) (Tref) (Tr
 ef,n) 1 ; (Rou
 nd Trip Delay : RTD) 2 ; 가
 (Tref,n) 3 ; (Tref,n)
 (Tref,n) (T INIT_SYNC) (W-CDMA)
 4 (USTS)
3. (Tref,n) "Tref ± 256k - RTD" 가 k ,
 k "Tref,n=Tref+256k" (W-CDMA) 256 (USTS)
4. (W-CDMA) (USTS) W-CDMA
 USTS USTS (Tref) (Tref) (T
 ref,n) 1 ; (T
 USTS (Rx - Tx) 2 ;
 (Rx - Tx) , (T0)
 3 ;
 4 (W-CDMA)
 (USTS)
5. 가 USTS (W-CDMA)
 USTS (USTS)
6. (W-CDMA) (USTS) W-CDMA



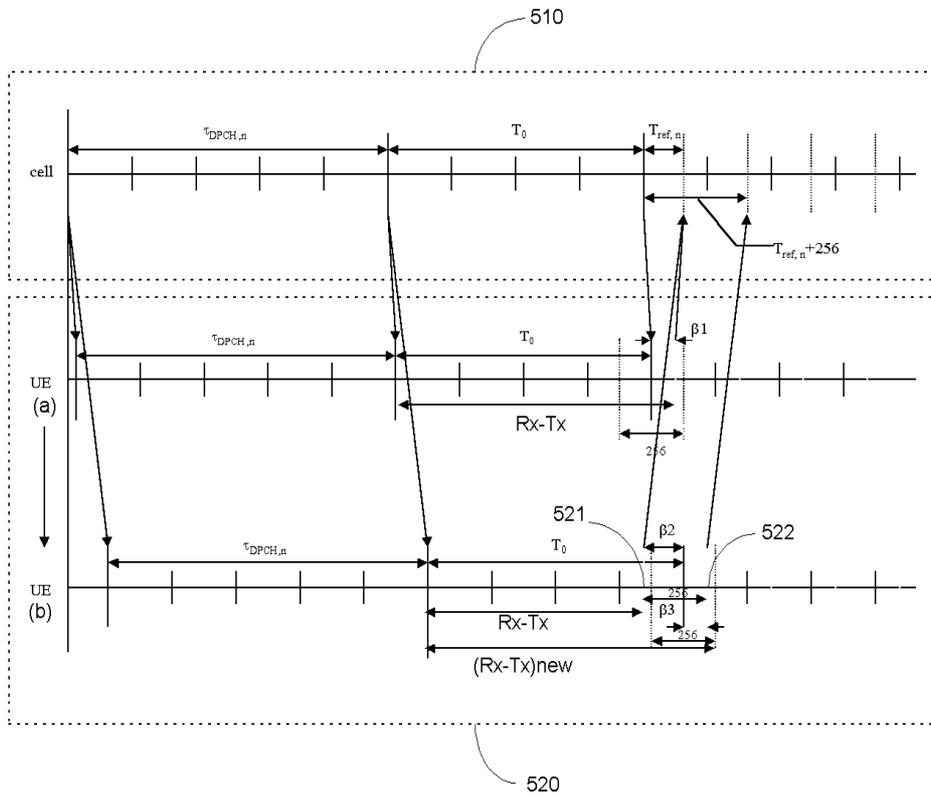
P-CCPCH frame timing at Node B



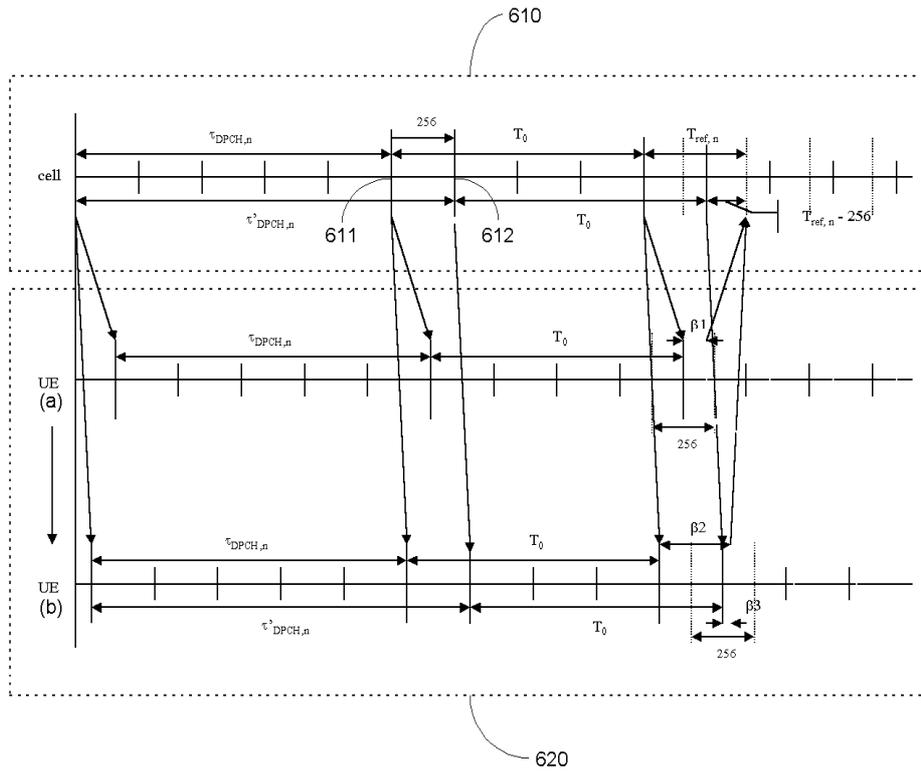
4



5



6



7

