

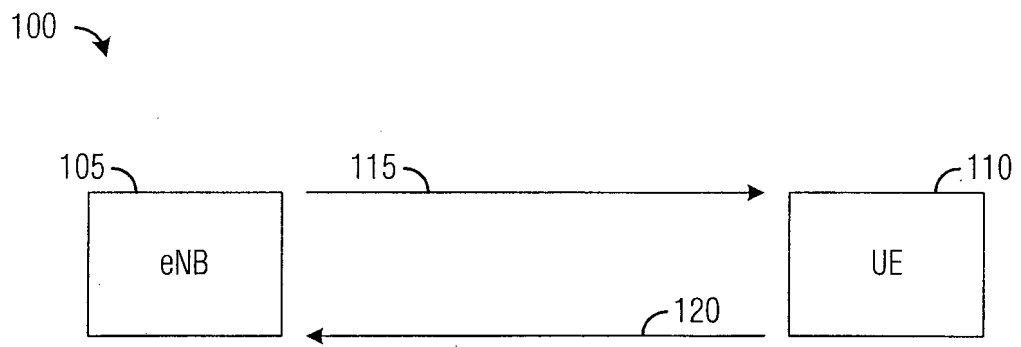


Fig. 1

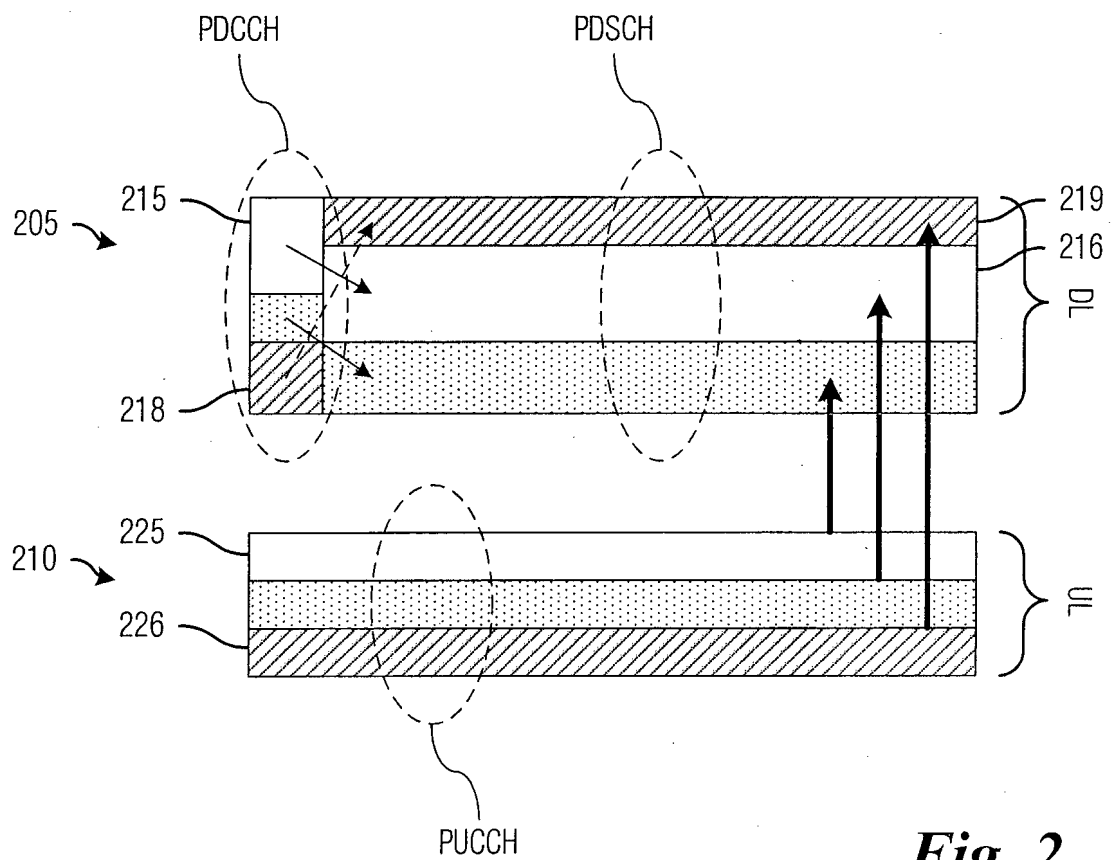
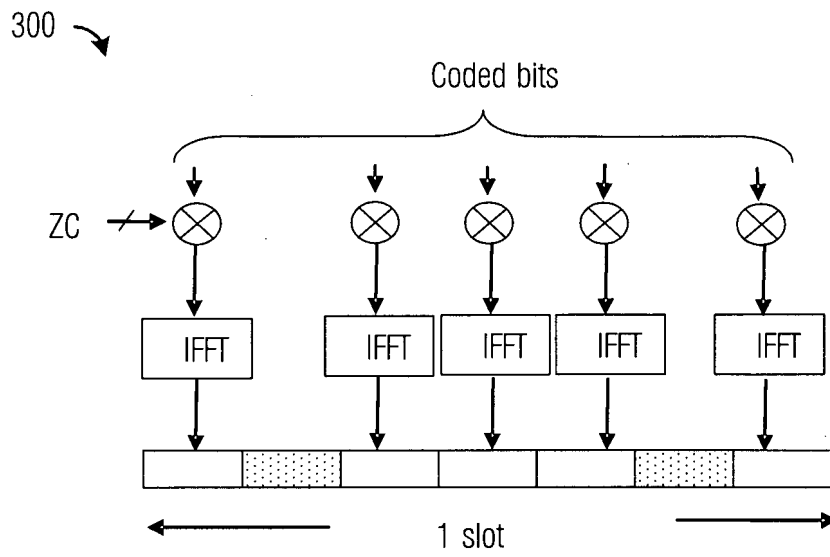
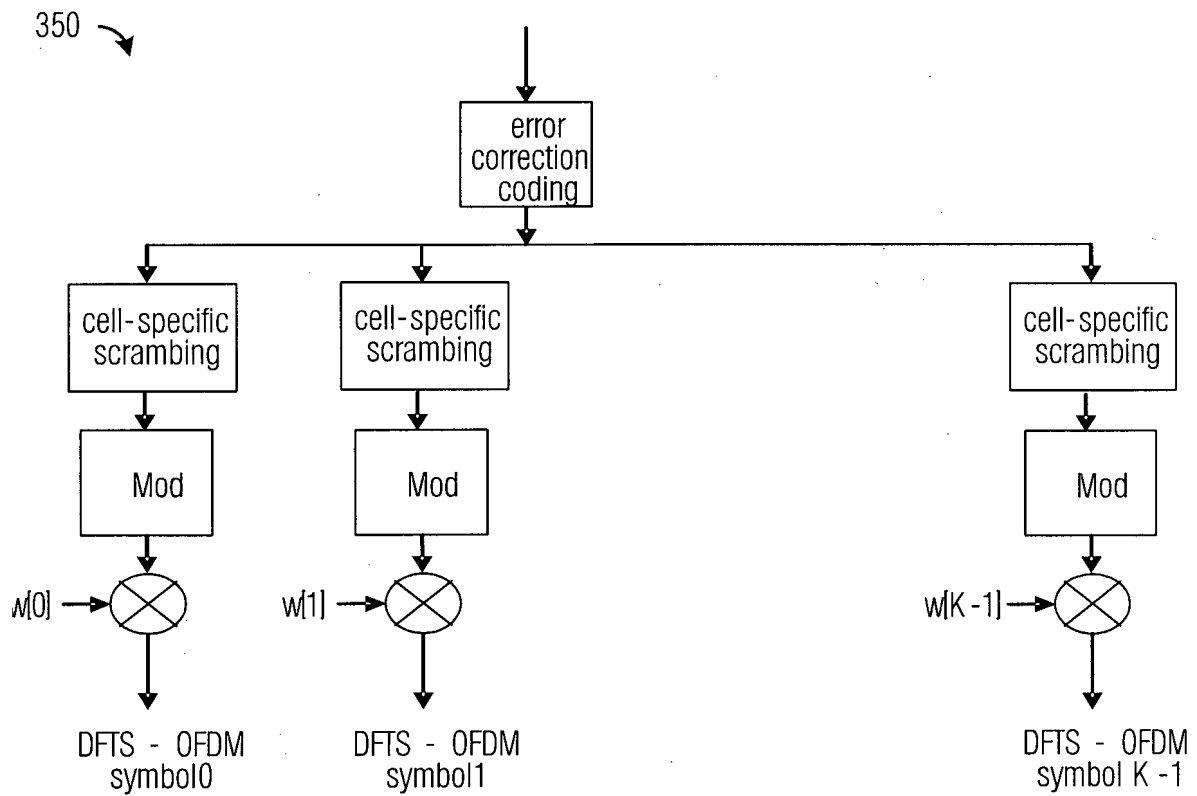
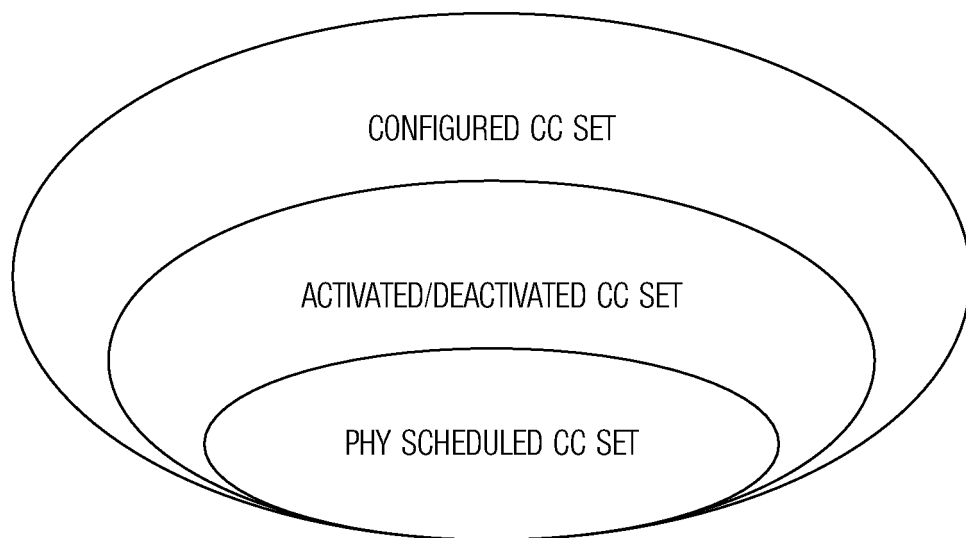
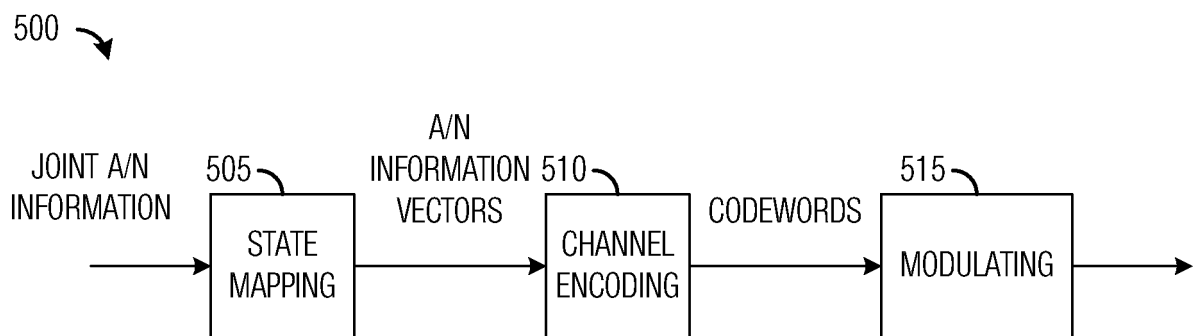
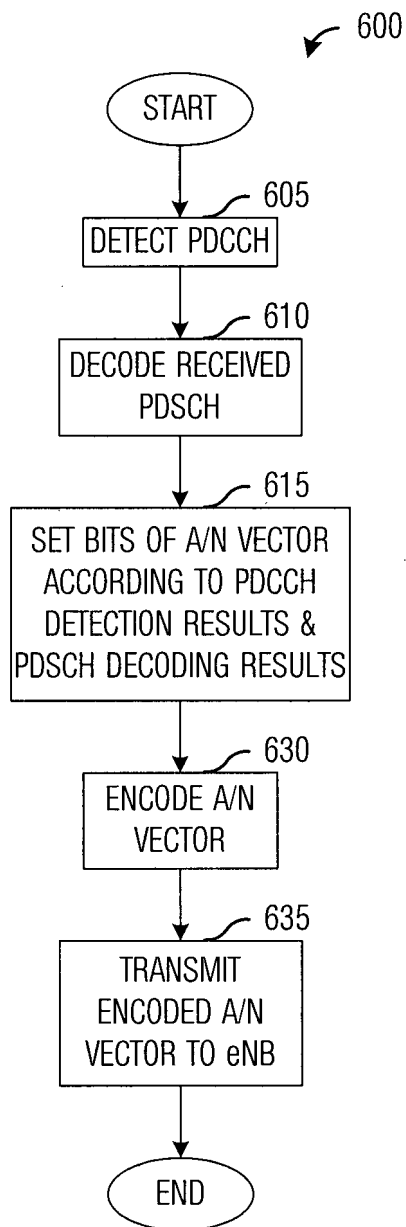
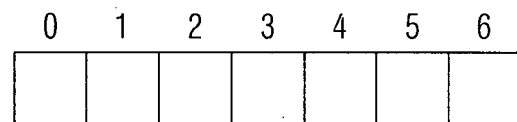
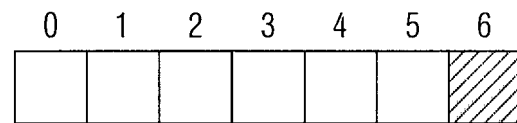


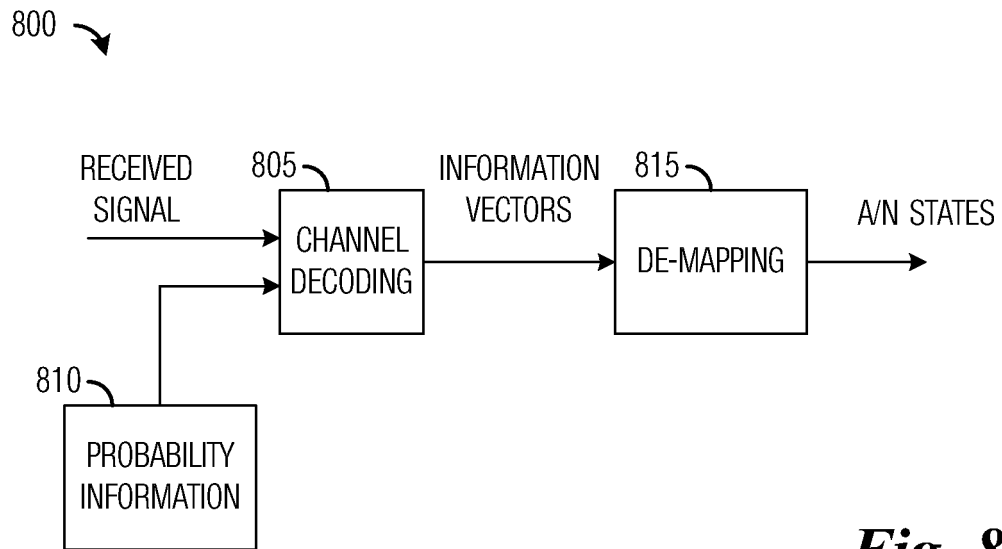
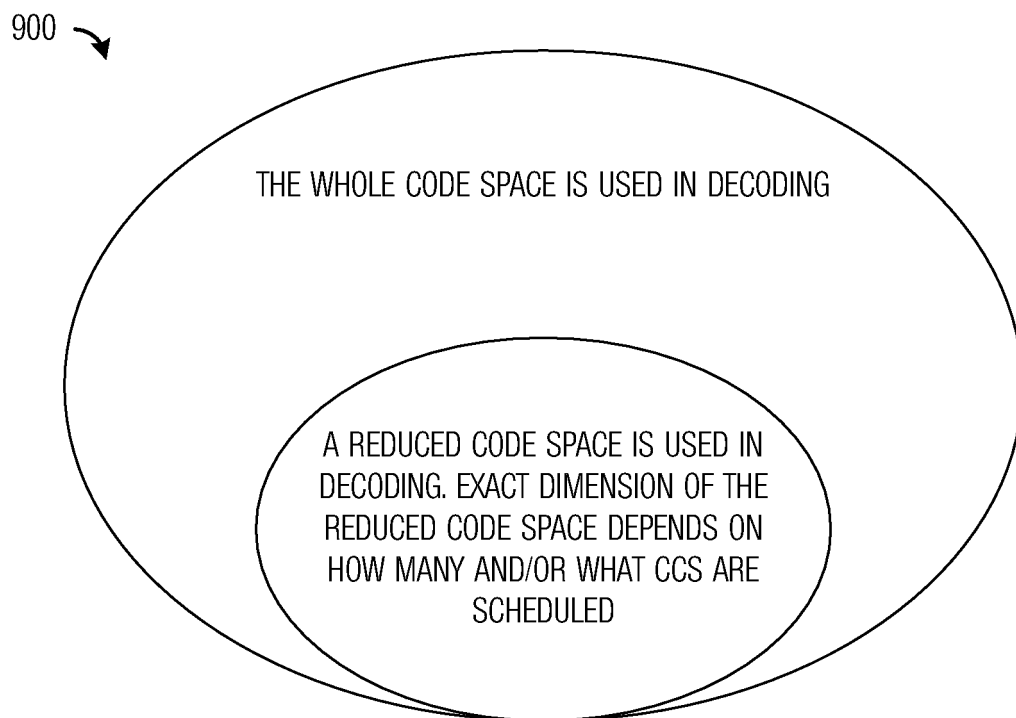
Fig. 2

*Fig. 3a**Fig. 3b*

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**Fig. 4****Fig. 5**

**Fig. 6****Fig. 7a****Fig. 7b**

**Fig. 8****Fig. 9**

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CC #1 (2 BITS)

1	0	0	A,A
2	1	0	N,A
3	0	1	A,N
4	1	1	N,N

Fig. 10a

	CC #2		CC #1		(5 BITS)
1	0	0	0	0	NO DTX
1	0	0	1	0	
1	0	0	0	1	
1	0	0	1	1	
1	1	0	0	0	
1	1	0	1	0	
1	1	0	0	1	
1	1	0	1	1	
1	0	1	0	0	
1	0	1	1	0	
1	0	1	0	1	
1	0	1	1	1	
1	1	1	0	0	
1	1	1	1	0	
1	1	1	0	1	
1	1	1	1	1	
0	0	1	0	0	CC #2=A/N; CC #1=DTX
0	0	1	1	0	
0	0	1	0	1	
0	0	1	1	1	
0	0	0	0	0	CC #2=DTX; CC #1=A/N
0	0	0	1	0	
0	0	0	0	1	
0	0	0	1	1	

Fig. 10b

CC#3			CC#2			CC#1			(7 BITS)			
1	ALL A/N COMBINATIONS OF THREE CCS									}		
0	1	1	ALL A/N COMBS OF TWO CCS						}			
0	1	0	ALL A/N COMBS OF TWO CCS						}			
0	0	1	ALL A/N COMBS OF TWO CCS						}			
0	0	0	1	0	ALL COMBS OF 1 CC				}			
0	0	0	1	0	ALL COMBS OF 1 CC				}			
0	0	0	1	0	ALL COMBS OF 1 CC				}			

NO DTX

CC#1=A/N CC#1=A/N CC#1=DTX CC#1=DTX CC#1=DTX CC#1=A/N

CC#2=A/N CC#2=DTX CC#2=A/N CC#2=DTX CC#2=A/N CC#2=DTX

CC#3=DTX CC#3=A/N CC#3=A/N CC#3=A/N CC#3=DTX CC#3=DTX

Fig. 10c

		CC#4	CC#3	CC#2	CC#1	(10 BITS)		
1	0	ALL A/N COMBINATIONS OF FOUR CCS				NO DTX		
0	1	0	1	ALL A/N COMBS OF THREE CCS				1005
0	1	0	0	ALL A/N COMBS OF THREE CCS				ONE DTX
0	0	1	1	ALL A/N COMBS OF THREE CCS				1010
0	0	1	0	ALL A/N COMBS OF THREE CCS				TWO DTX
0	0	0	1	1	0	ALL COMBS OF TWO CCS		THREE DTX
0	0	0	1	0	1	ALL COMBS OF TWO CCS		
0	0	0	1	0	0	ALL COMBS OF TWO CCS		
0	0	0	0	1	1	ALL COMBS OF TWO CCS		
0	0	0	0	1	0	ALL COMBS OF TWO CCS		
0	0	0	0	0	1	ALL COMBS OF TWO CCS		
0	0	0	0	0	0	1	1	ALL COMBS OF 1 CC
0	0	0	0	0	0	1	0	ALL COMBS OF 1 CC
0	0	0	0	0	0	0	1	ALL COMBS OF 1 CC
0	0	0	0	0	0	0	0	ALL COMBS OF 1 CC

Fig. 10d

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		CC#5	CC#4	CC#3	CC#2	CC#1	(12 BITS)	
1	1	ALL A/N COMBINATIONS OF FIVE CCS						NO DTX
1	0	0	0	ALL A/N COMBINATIONS OF FOUR CCS				ONE DTX
0	1	1	1	ALL A/N COMBINATIONS OF FOUR CCS				
0	1	1	0	ALL A/N COMBINATIONS OF FOUR CCS				
0	1	0	1	ALL A/N COMBINATIONS OF FOUR CCS				
0	1	0	0	ALL A/N COMBINATIONS OF FOUR CCS				
0	0	1	1	0	0	ALL A/N COMBS OF THREE CCS		TWO DTX
0	0	1	0	1	1	ALL A/N COMBS OF THREE CCS		
0	0	1	0	1	0	ALL A/N COMBS OF THREE CCS		
0	0	1	0	0	1	ALL A/N COMBS OF THREE CCS		
0	0	1	0	0	0	ALL A/N COMBS OF THREE CCS		
0	0	0	1	1	1	ALL A/N COMBS OF THREE CCS		
0	0	0	1	1	0	ALL A/N COMBS OF THREE CCS		
0	0	0	1	0	1	ALL A/N COMBS OF THREE CCS		
0	0	0	1	0	0	ALL A/N COMBS OF THREE CCS		
0	0	0	0	1	1	ALL A/N COMBS OF THREE CCS		

Fig. 10e-1

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CC#5		CC#4		CC#3		CC#2		CC#1		(12 BITS)	
0	0	0	0	1	0	1	1	ALL A/N COMBS OF 2 CCS			
0	0	0	0	1	0	1	0	ALL A/N COMBS OF 2 CCS			
0	0	0	0	1	0	0	1	ALL A/N COMBS OF 2 CCS			
0	0	0	0	1	0	0	0	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	1	1	1	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	1	1	0	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	1	0	1	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	1	0	0	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	0	1	1	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	0	1	0	ALL A/N COMBS OF 2 CCS			
0	0	0	0	0	0	0	1	0	0	ALL A/N COMBS OF 1 CC	
0	0	0	0	0	0	0	0	1	1	ALL A/N COMBS OF 1 CC	
0	0	0	0	0	0	0	0	1	0	ALL A/N COMBS OF 1 CC	
0	0	0	0	0	0	0	0	0	1	ALL A/N COMBS OF 1 CC	
0	0	0	0	0	0	0	0	0	0	ALL A/N COMBS OF 1 CC	

THREE DTx

FOUR DTx

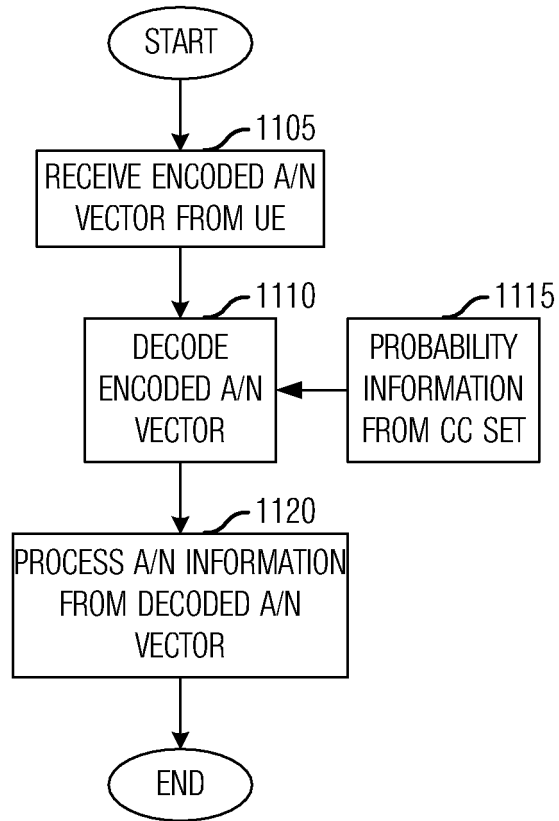
THREE DTX

FOUR DTX

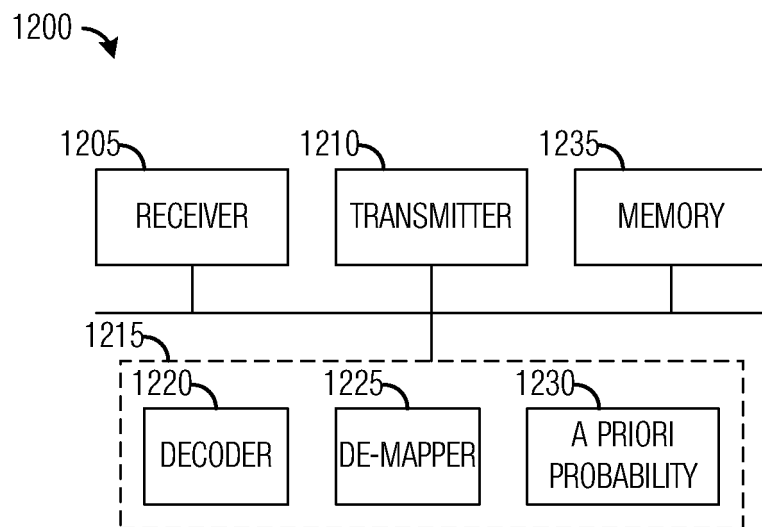
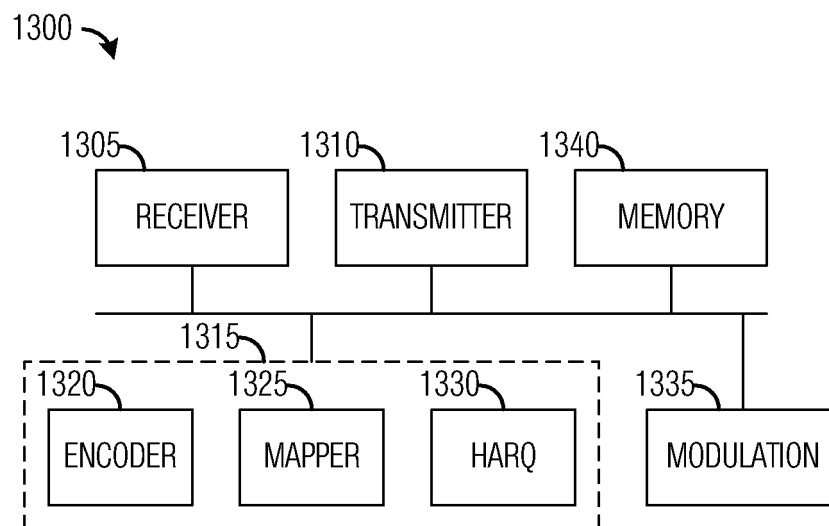
Fig. 10e-2

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1100 ↗

**Fig. 11**

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*Fig. 12**Fig. 13*