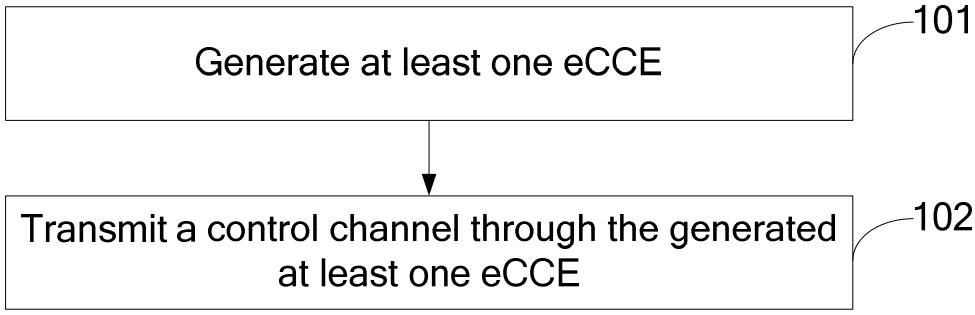
Generate at least one eCCE
101
Transmit a control channel through the generated at least one eCCE
102

FIG. 1A

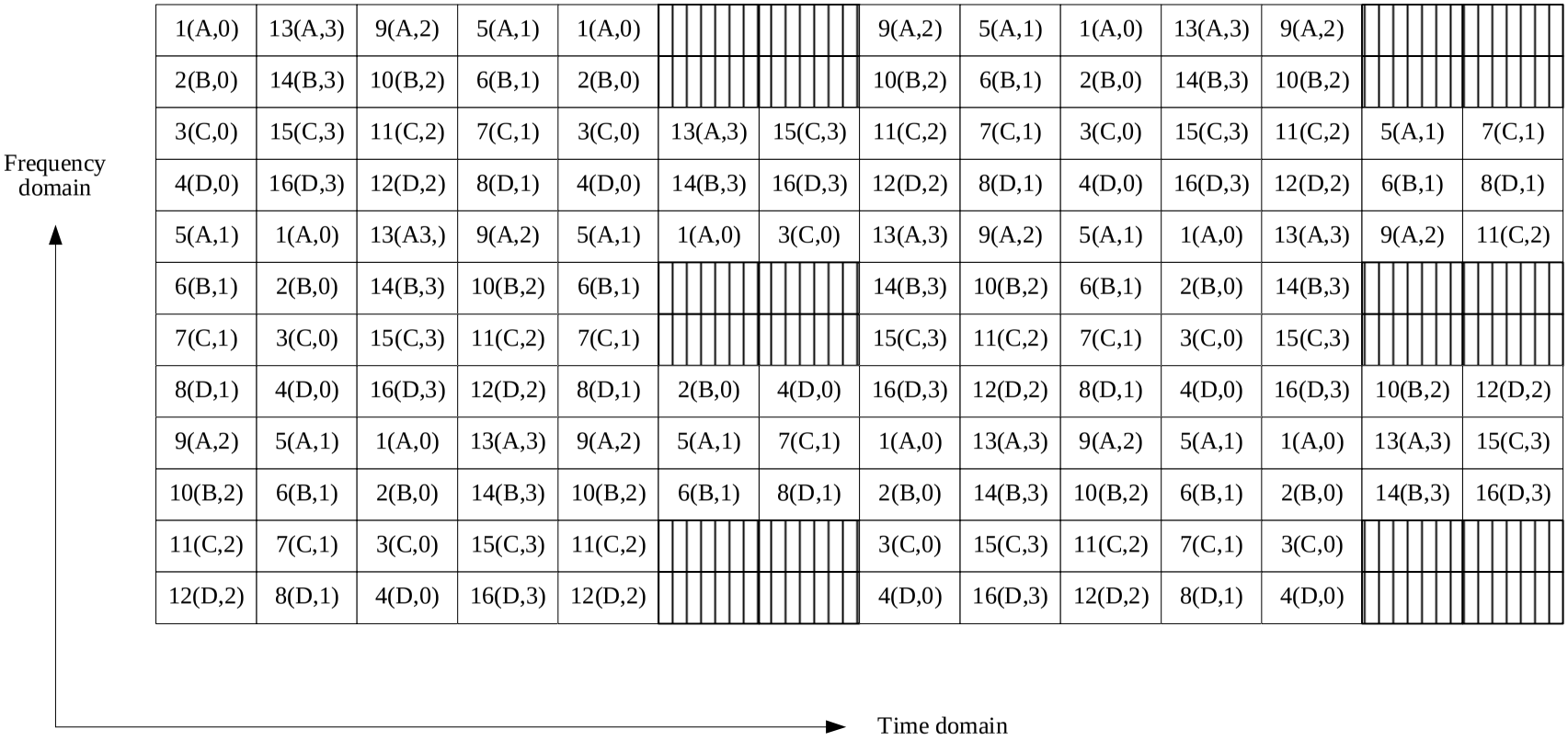
Frequency domain
Time domain
1(A,0) 13(A,3) 9(A,2) 5(A,1) 1(A,0) 9(A,2) 5(A,1) 1(A,0) 13(A,3) 9(A,2)
2(B,0) 14(B,3) 10(B,2) 6(B,1) 2(B,0) 10(B,2) 6(B,1) 2(B,0) 14(B,3) 10(B,2)
3(C,0) 15(C,3) 11(C,2) 7(C,1) 3(C,0) 13(A,3) 15(C,3) 11(C,2) 7(C,1) 3(C,0) 15(C,3) 11(C,2) 5(A,1) 7(C,1)
4(D,0) 16(D,3) 12(D,2) 8(D,1) 4(D,0) 14(B,3) 16(D,3) 12(D,2) 8(D,1) 4(D,0) 16(D,3) 12(D,2) 6(B,1) 8(D,1)
5(A,1) 1(A,0) 13(A3,) 9(A,2) 5(A,1) 1(A,0) 3(C,0) 13(A,3) 9(A,2) 5(A,1) 1(A,0) 13(A,3) 9(A,2) 11(C,2)
6(B,1) 2(B,0) 14(B,3) 10(B,2) 6(B,1) 14(B,3) 10(B,2) 6(B,1) 2(B,0) 14(B,3)
7(C,1) 3(C,0) 15(C,3) 11(C,2) 7(C,1) 15(C,3) 11(C,2) 7(C,1) 3(C,0) 15(C,3)
8(D,1) 4(D,0) 16(D,3) 12(D,2) 8(D,1) 2(B,0) 4(D,0) 16(D,3) 12(D,2) 8(D,1) 4(D,0) 16(D,3) 10(B,2) 12(D,2)
9(A,2) 5(A,1) 1(A,0) 13(A,3) 9(A,2) 5(A,1) 7(C,1) 1(A,0) 13(A,3) 9(A,2) 5(A,1) 1(A,0) 13(A,3) 15(C,3)
10(B,2) 6(B,1) 2(B,0) 14(B,3) 10(B,2) 6(B,1) 8(D,1) 2(B,0) 14(B,3) 10(B,2) 6(B,1) 2(B,0) 14(B,3) 16(D,3)
11(C,2) 7(C,1) 3(C,0) 15(C,3) 11(C,2) 3(C,0) 15(C,3) 11(C,2) 7(C,1) 3(C,0)
12(D,2) 8(D,1) 4(D,0) 16(D,3) 12(D,2) 4(D,0) 16(D,3) 12(D,2) 8(D,1) 4(D,0)

FIG. 1B

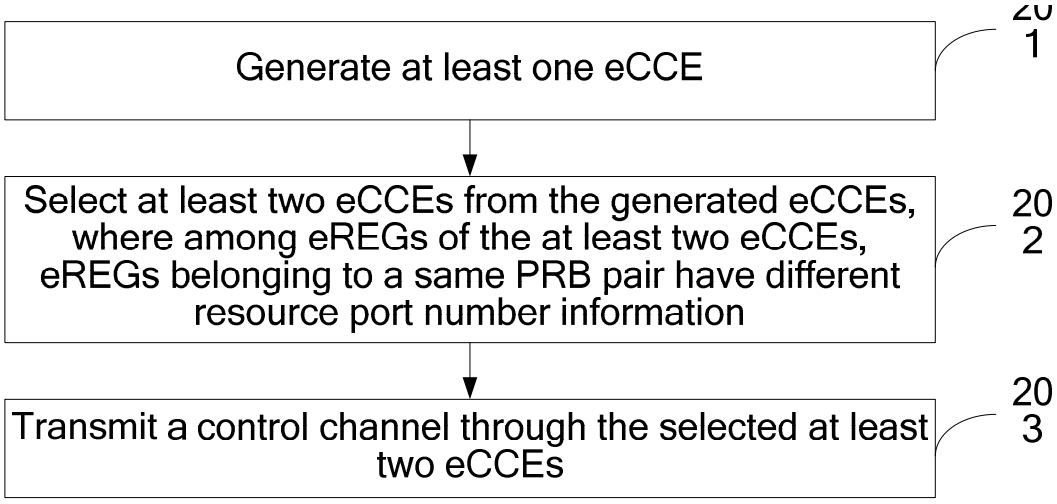

FIG. 2A

	eCCE number	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
eREG	PRB number	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Port number	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
	Location number	0	1	2	3	1	2	3	0	2	3	0	1	3	0	1	2
eREG	PRB number	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Port number	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A
	Location number	1	2	3	0	2	3	0	1	3	0	1	2	0	1	2	3
eREG	PRB number	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Port number	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B
	Location number	2	3	0	1	3	0	1	2	0	1	2	3	1	2	3	0
eREG	PRB number	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Port number	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C
	Location number	3	0	1	2	0	1	2	3	1	2	3	0	2	3	0	1

FIG. 2B

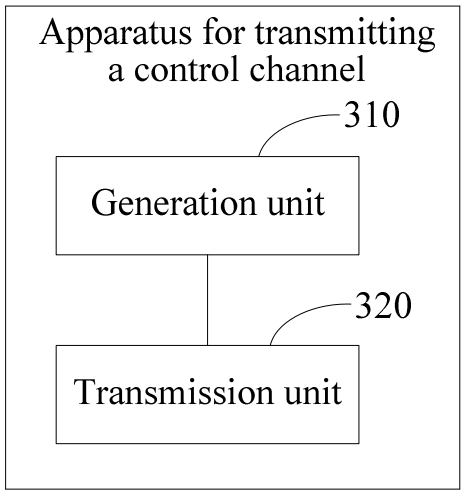

FIG. 3

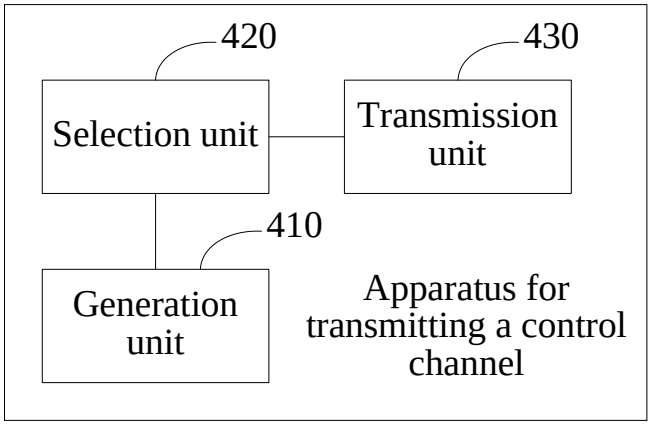

FIG. 4

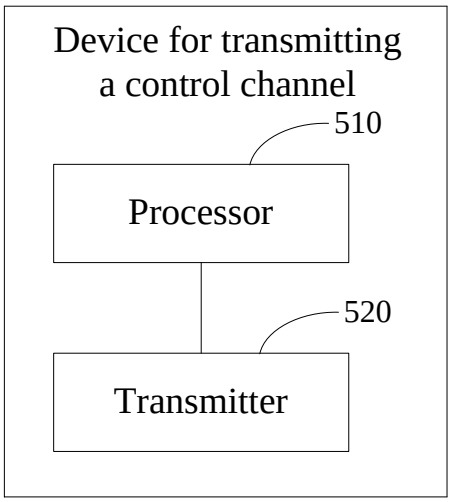

FIG. 5