

FIG. 1

$$P = \begin{bmatrix} 1 & -1 & 1 & 1 \\ 1 & 1 & -1 & 1 \\ 1 & 1 & 1 & -1 \\ -1 & 1 & 1 & 1 \end{bmatrix}$$

Per LTF group

	Per LTF group			
Antenna 1:	LTF	-LTF	LTF	LTF
Antenna 2:	LTF	LTF	-LTF	LTF
Antenna 3:	LTF	LTF	LTF	-LTF
Antenna 4:	-LTF	LTF	LTF	LTF

FIG. 2

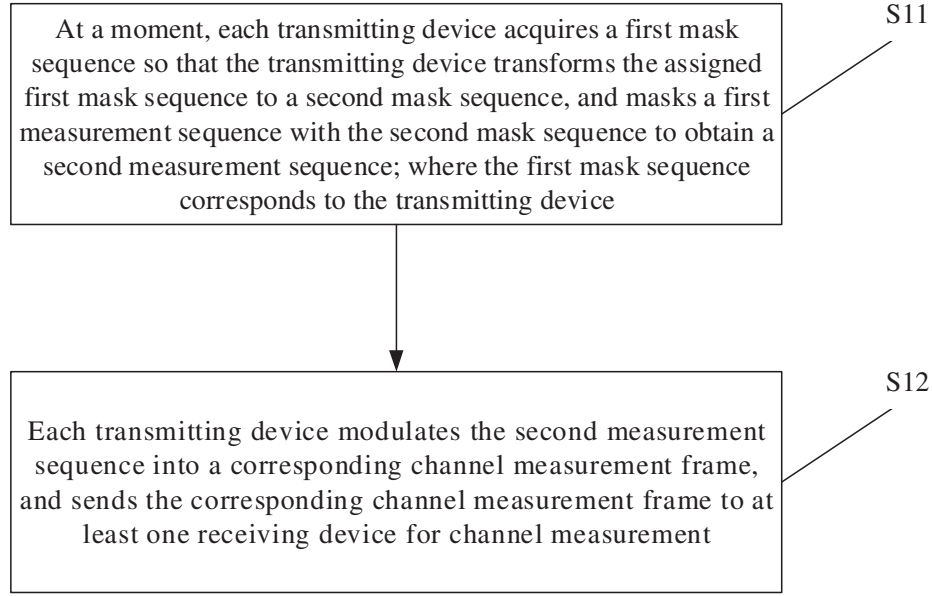


FIG. 3

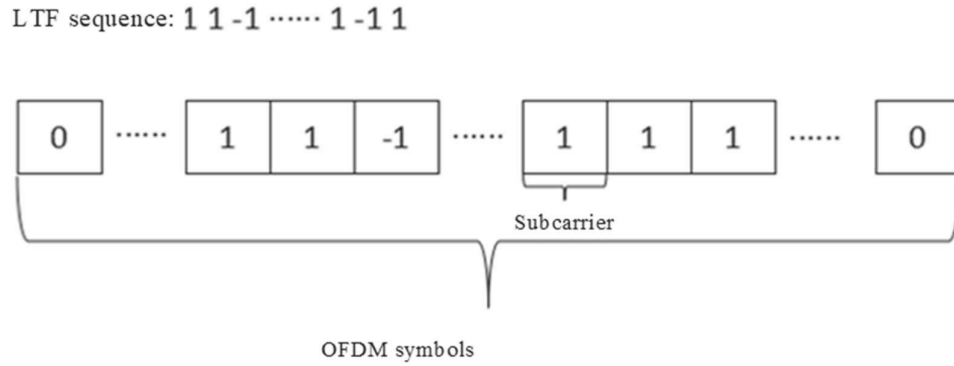


FIG. 4

$$\begin{aligned}
 AP_1 : CB_1 &= [1 \quad -1 \quad \dots \quad 1 \quad 1] \\
 AP_2 : CB_2 &= [1 \quad 1 \quad \dots \quad -1 \quad 1] \\
 &\vdots \\
 AP_i : CB_i &= [1 \quad 1 \quad \dots \quad 1 \quad -1]
 \end{aligned}$$

FIG. 5

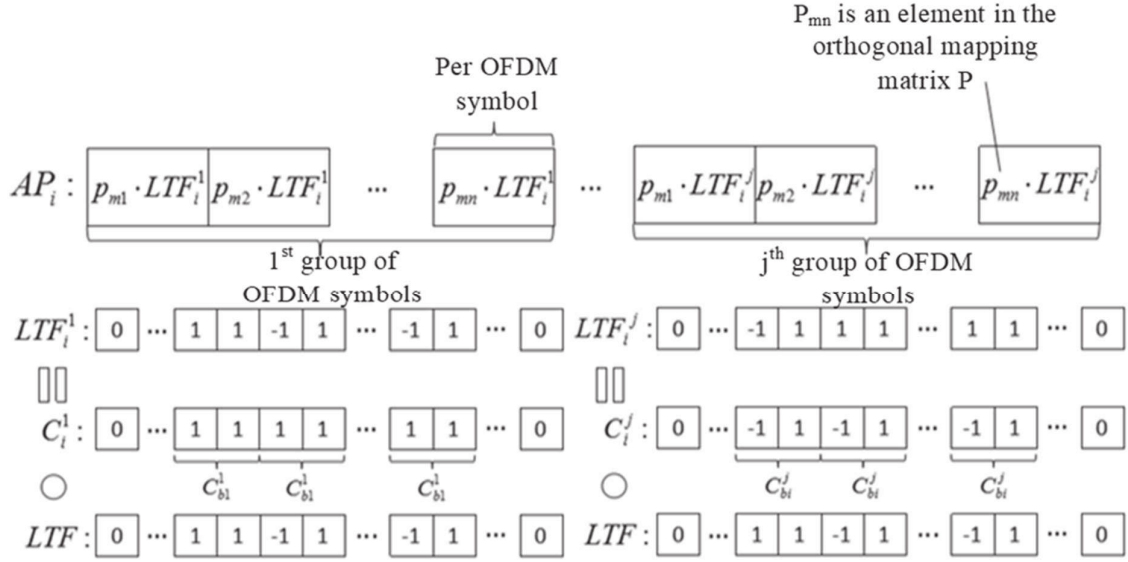


FIG. 6

$$AP_1 : CB_1 = \begin{bmatrix} 1 & -1 & 1 & 1 \\ \underbrace{\hspace{1.5cm}}_{C_{b1}^1} \end{bmatrix}$$

$$AP_2 : CB_2 = \begin{bmatrix} 1 & 1 & -1 & 1 \\ \underbrace{\hspace{1.5cm}}_{C_{b2}^1} \end{bmatrix}$$

FIG. 7

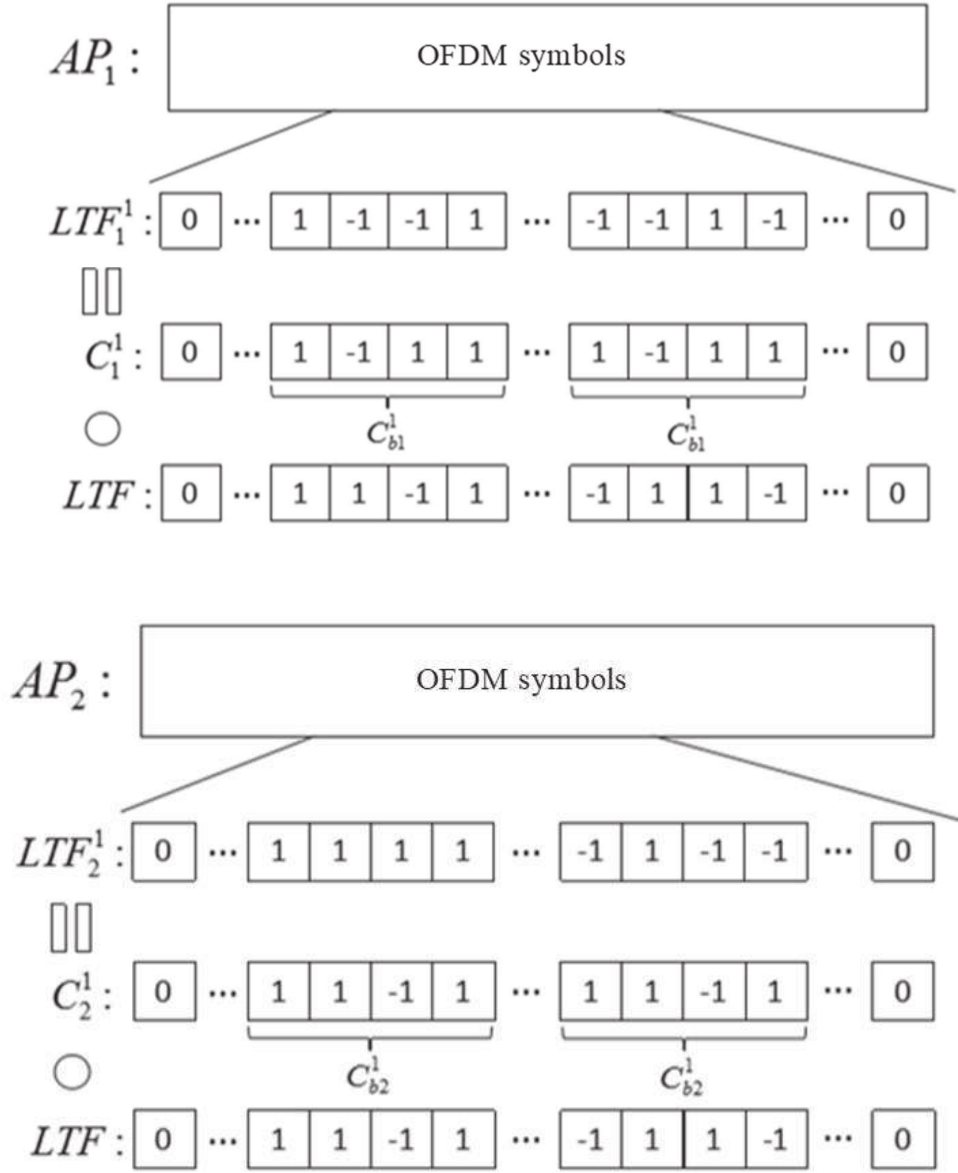


FIG. 8

$$AP_1 : CB_1 = \begin{bmatrix} 1 & -1 & 1 & 1 \\ \underbrace{\hspace{1.5cm}}_{C_{b1}^1} & \underbrace{\hspace{1.5cm}}_{C_{b1}^2} \end{bmatrix}$$

$$AP_2 : CB_2 = \begin{bmatrix} 1 & 1 & -1 & 1 \\ \underbrace{\hspace{1.5cm}}_{C_{b2}^1} & \underbrace{\hspace{1.5cm}}_{C_{b2}^2} \end{bmatrix}$$

FIG. 9

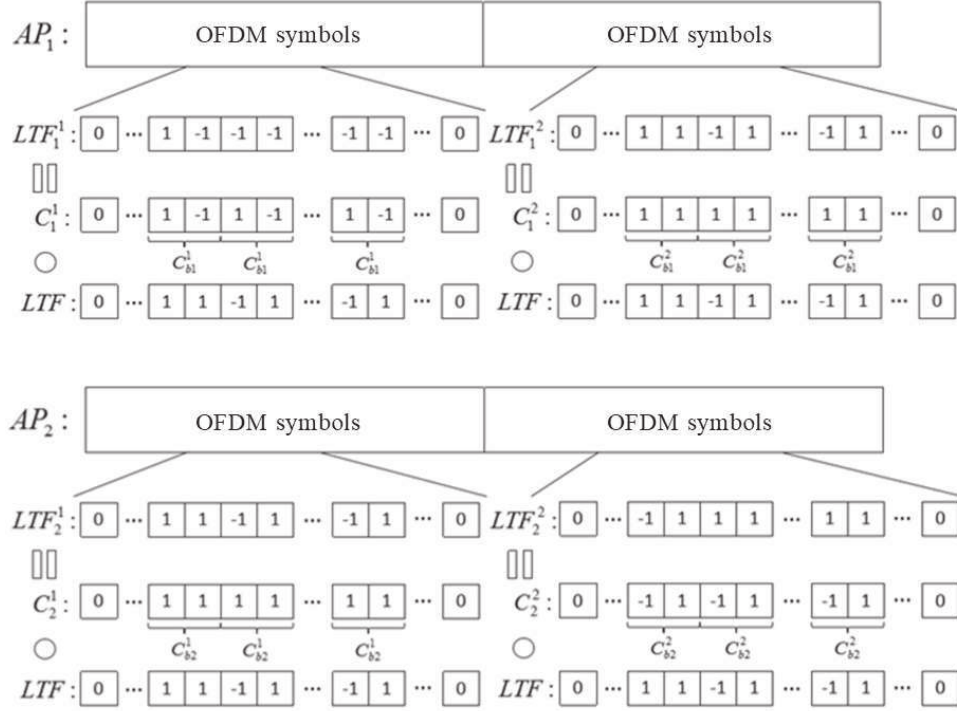


FIG. 10

A receiving device performs inner product on a third measurement sequence with a first mask sequence, and expands a value of the inner product to obtain a channel measurement result between the receiving device and a corresponding transmitting device, and generates a feedback frame that is sent to the transmitting device

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FIG. 11

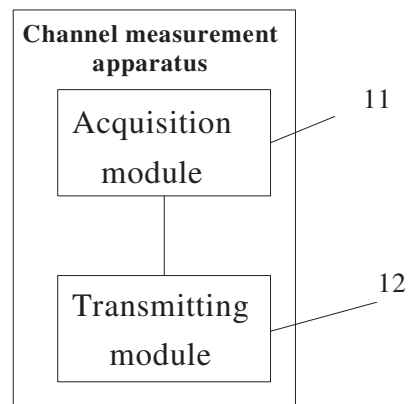


FIG. 12

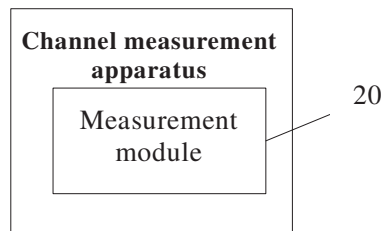


FIG. 13