

[illegible]

FIG. 2

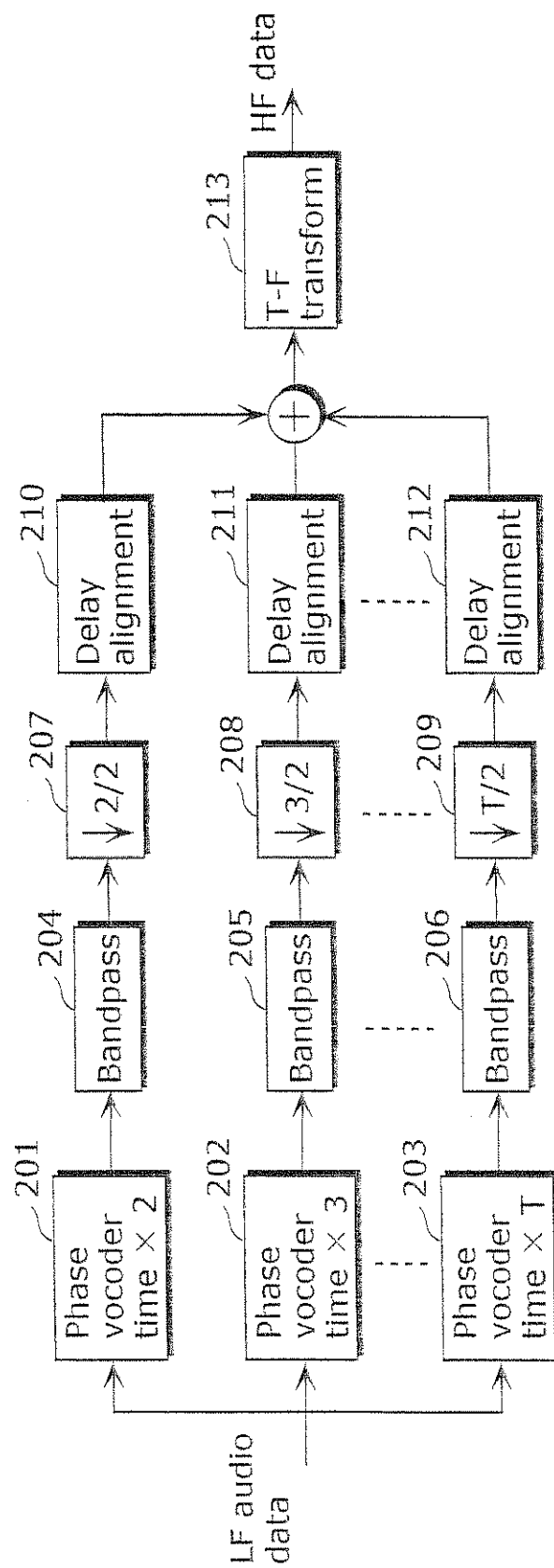


FIG. 3A

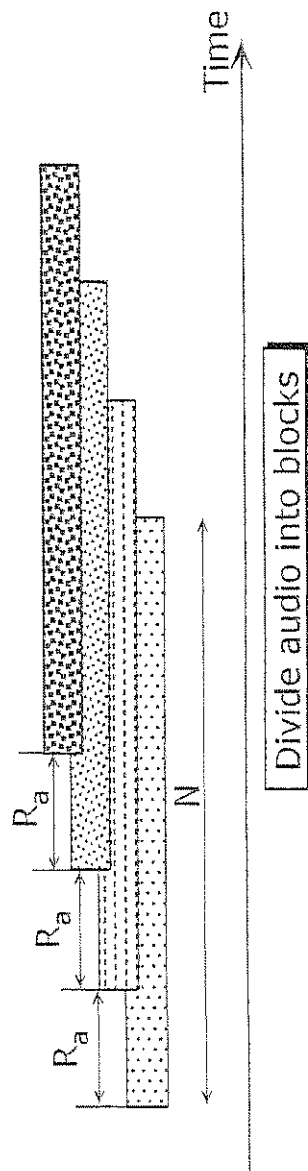


FIG. 3B

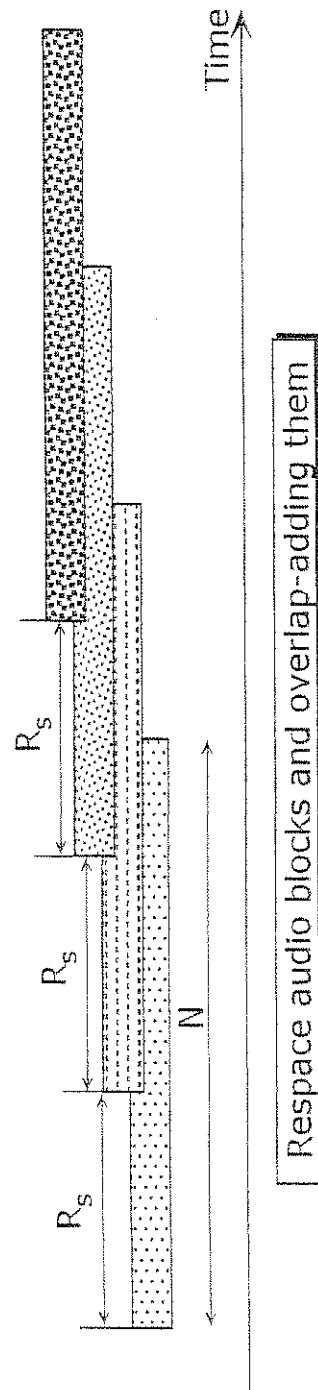


FIG. 4

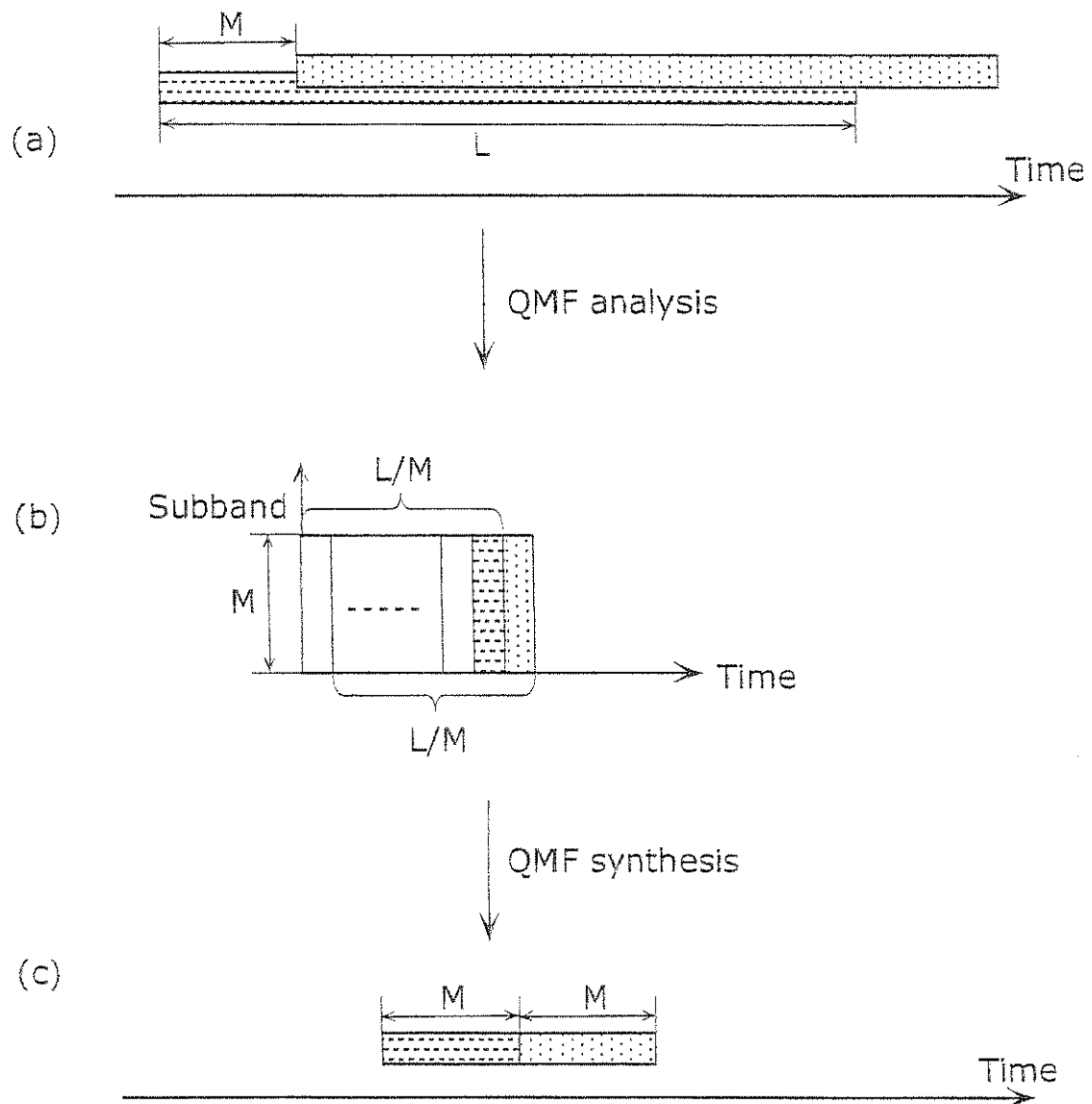


FIG. 5

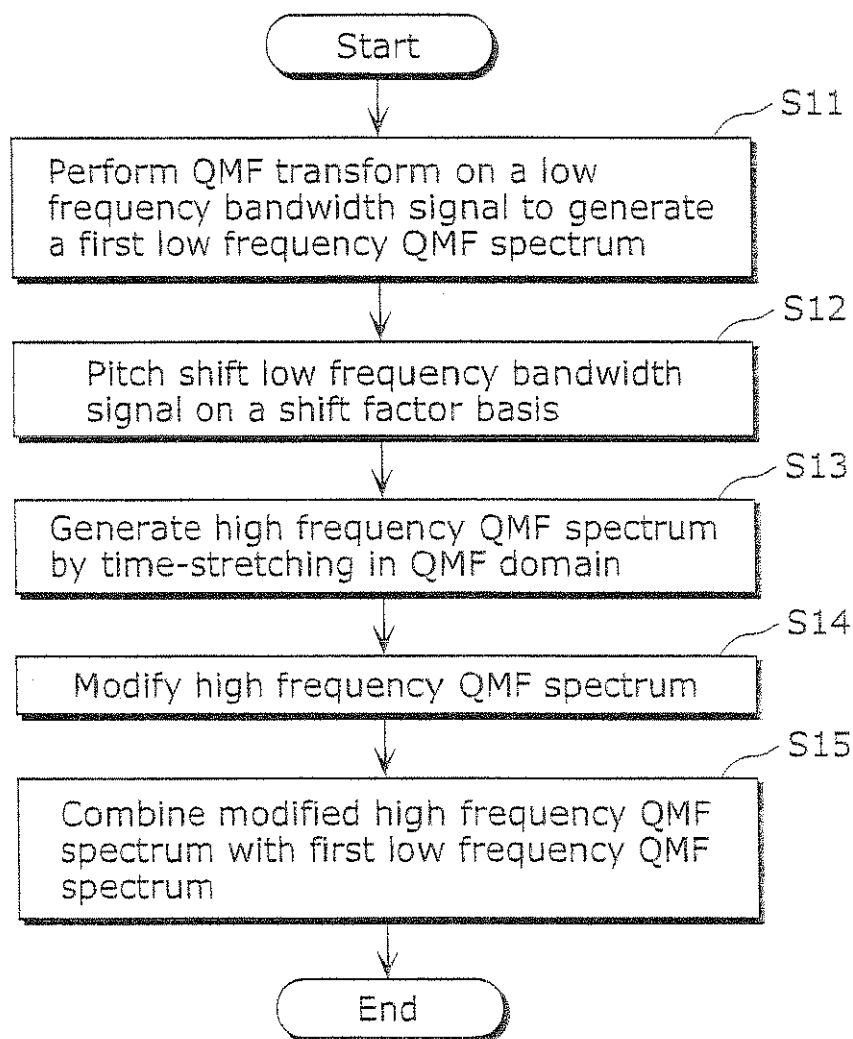


FIG. 6

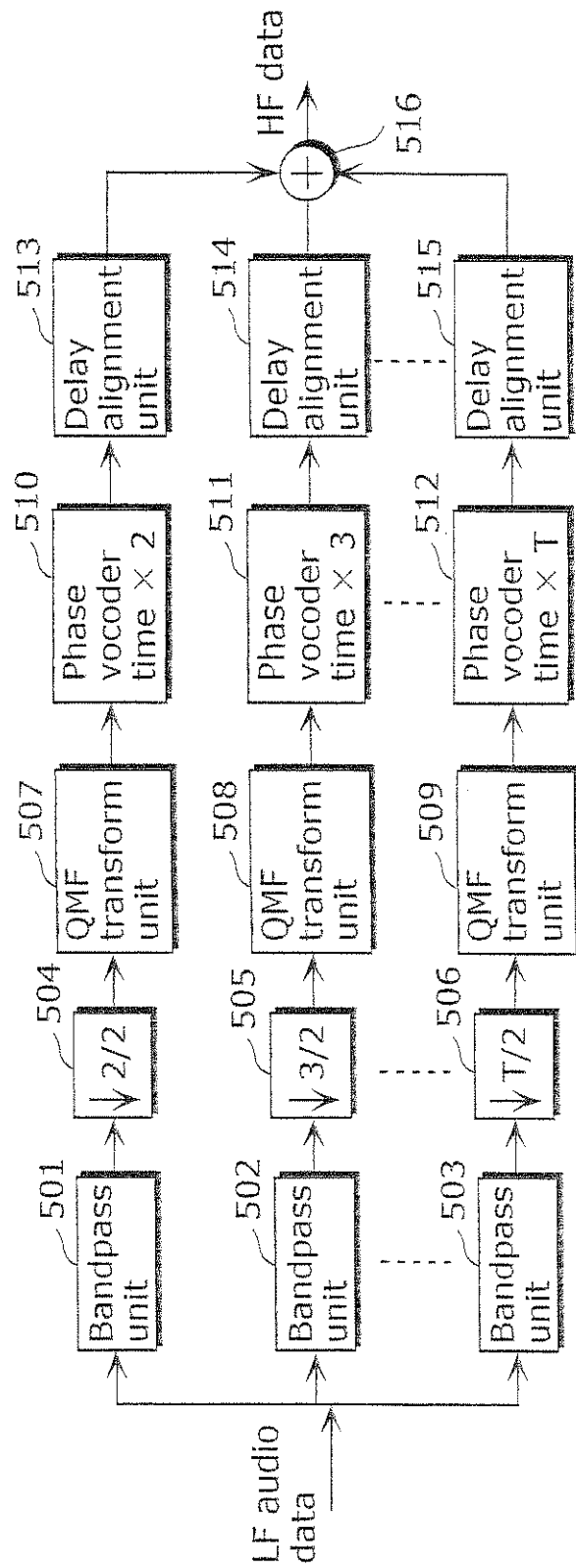


FIG. 7

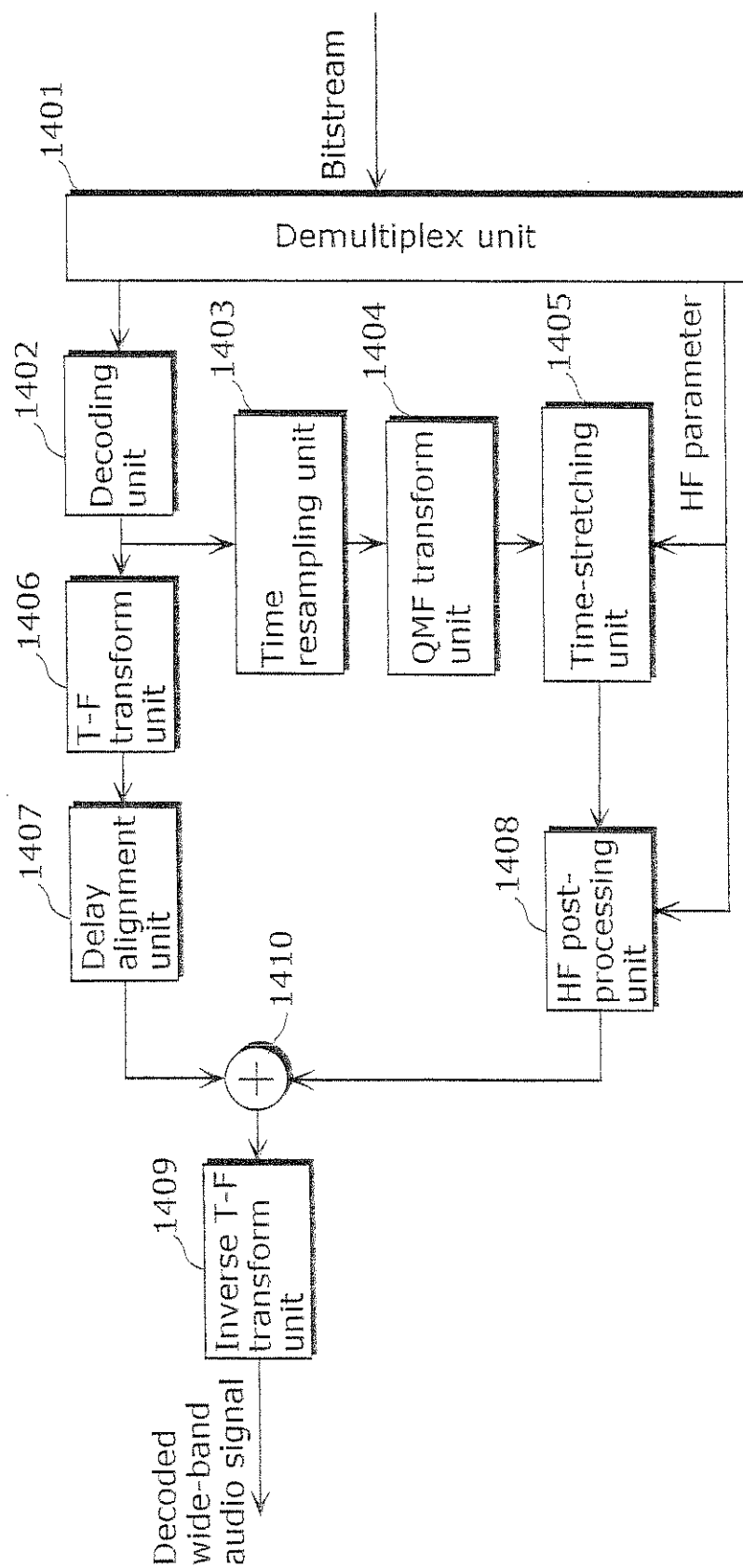


FIG. 8

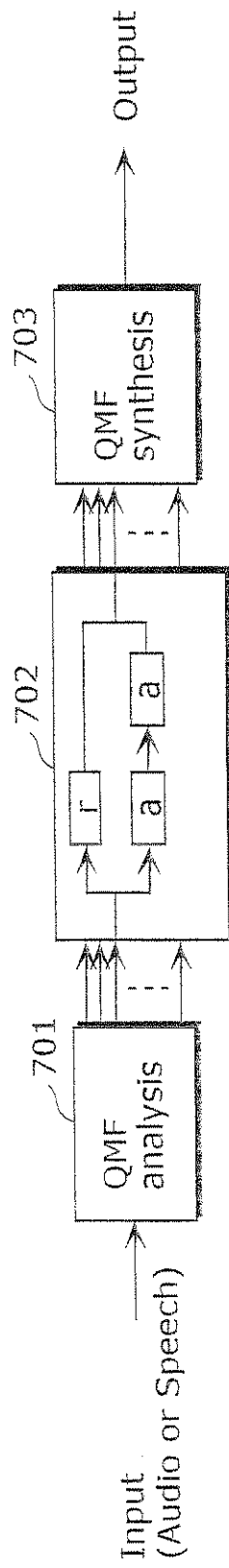


Figure 1 consists of two parts, (a) and (b), illustrating the hierarchical construction of the wave function.

Part (a) shows a horizontal bar representing the wave function at level L/M . It is composed of two main sections, each of length L/M . The left section is divided into $L/M-1$ sub-sections, each of length $L/M-1$. The right section is divided into $L/M-1$ sub-sections, each of length $L/M-1$. The sub-sections are labeled $\varphi_0, \varphi_1, \varphi_2, \dots, \varphi_{L/M-1}$. The bar is filled with a pattern of dots and lines, representing the wave function.

Part (b) shows a similar construction, but with a vertical arrow labeled S indicating the scaling factor. The horizontal bar is divided into two main sections, each of length L/M . The left section is divided into $L/M-1$ sub-sections, each of length $L/M-1$. The right section is divided into $L/M-1$ sub-sections, each of length $L/M-1$. The sub-sections are labeled $\phi_0^{(1)}, \phi_1^{(1)}, \phi_2^{(1)}, \dots, \phi_{L/M-1}^{(1)}$. The bar is filled with a pattern of dots and lines, representing the wave function.

FIG. 10

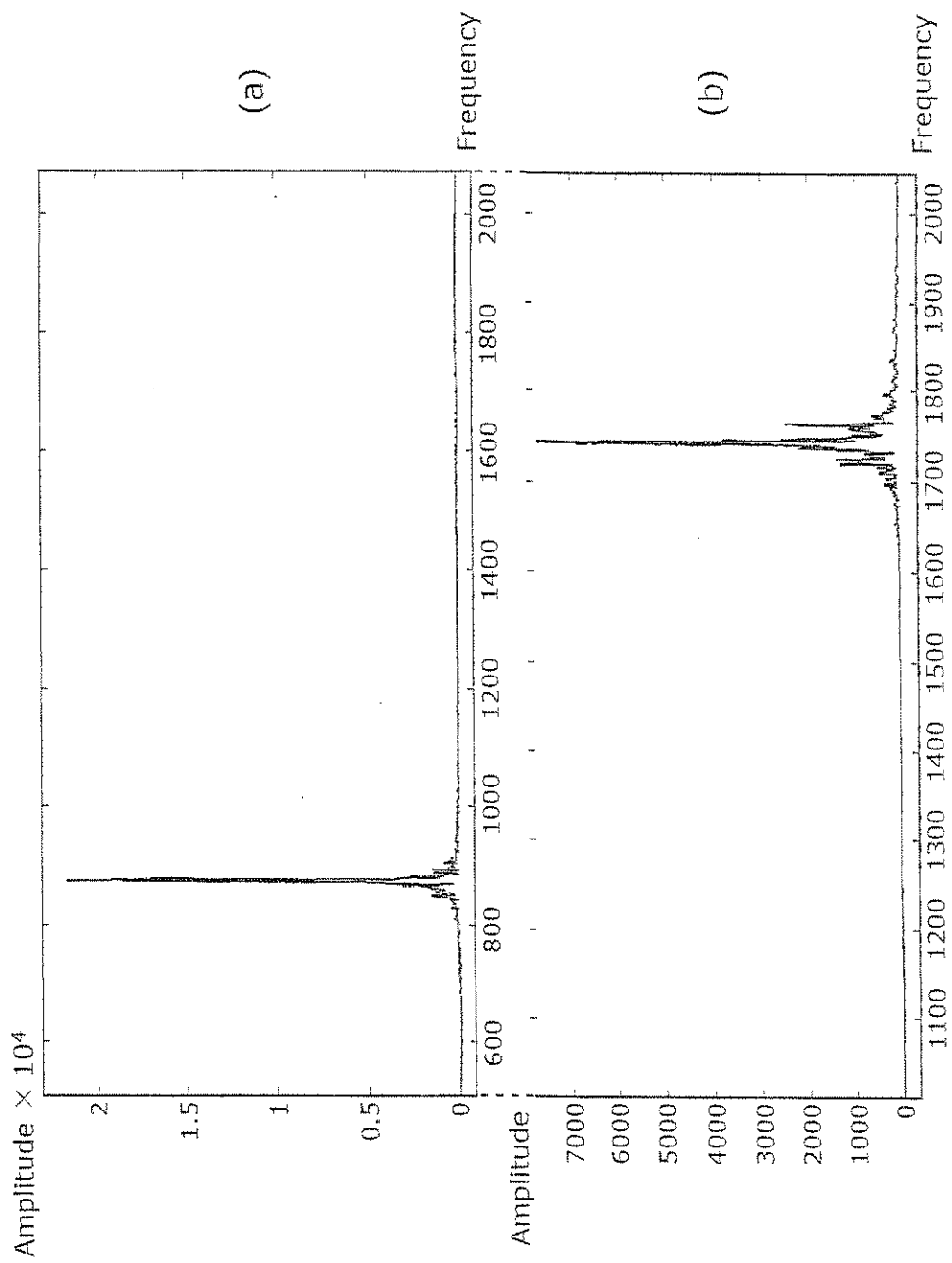


FIG. 11

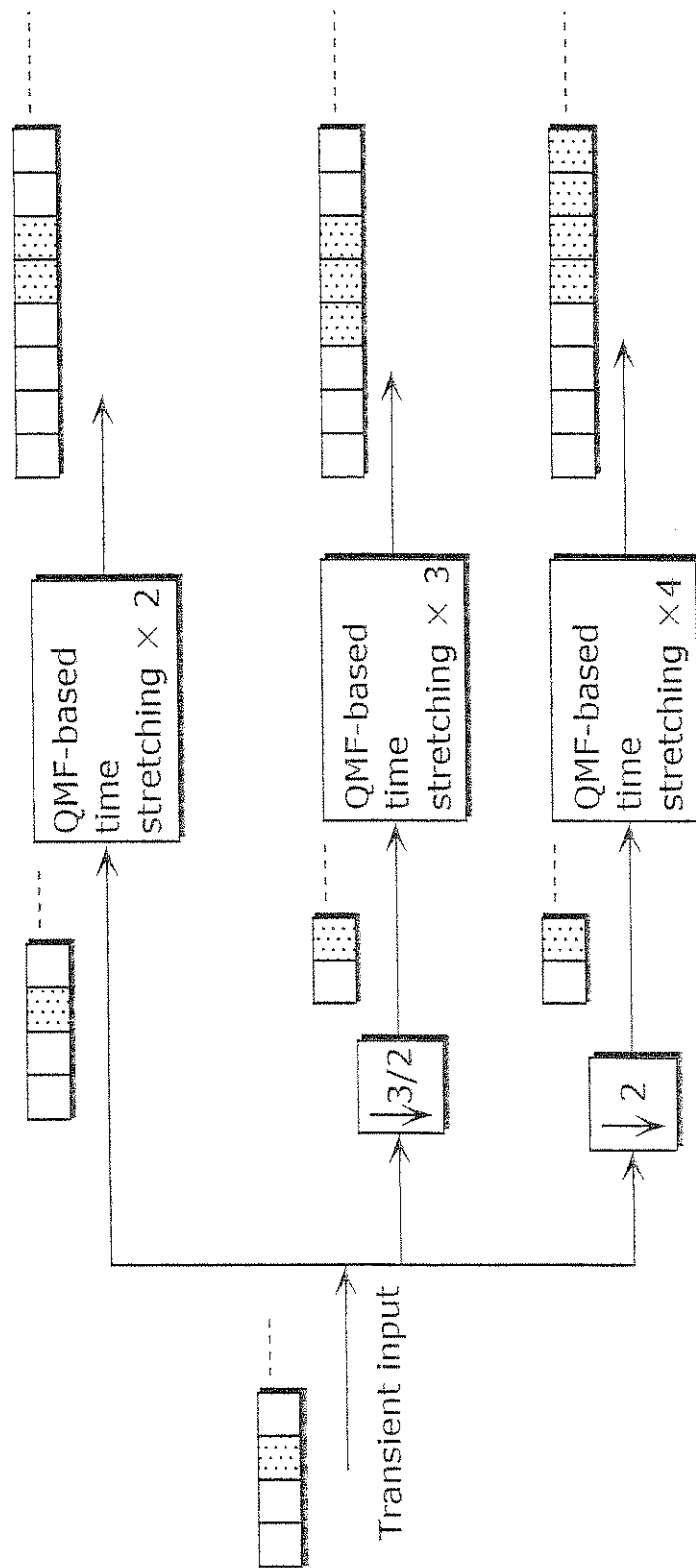


FIG. 12

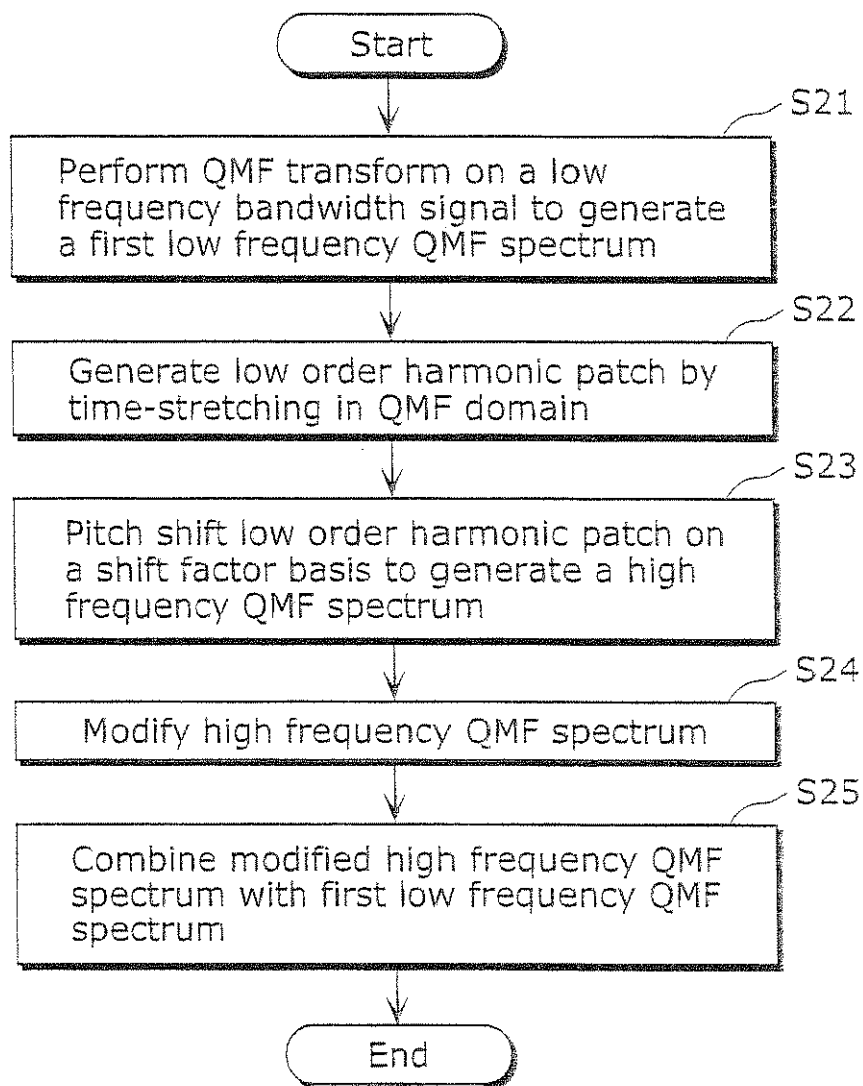


FIG. 13

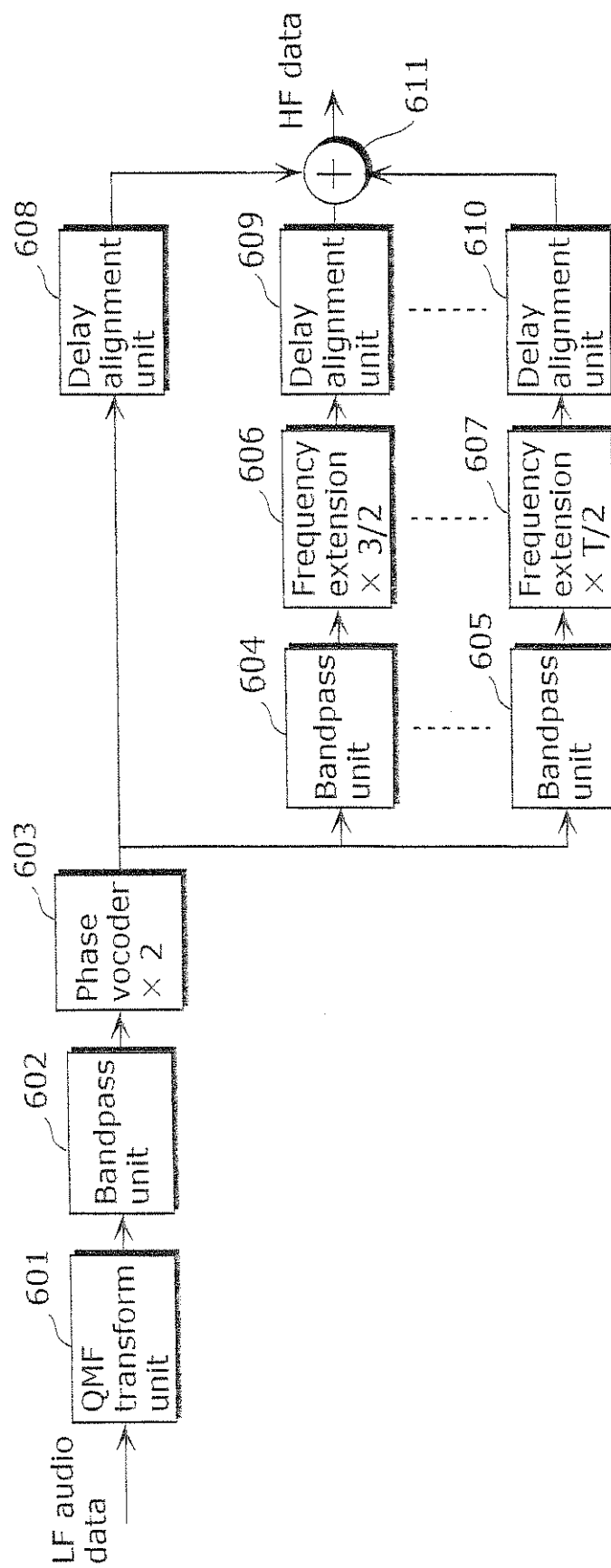


FIG. 14

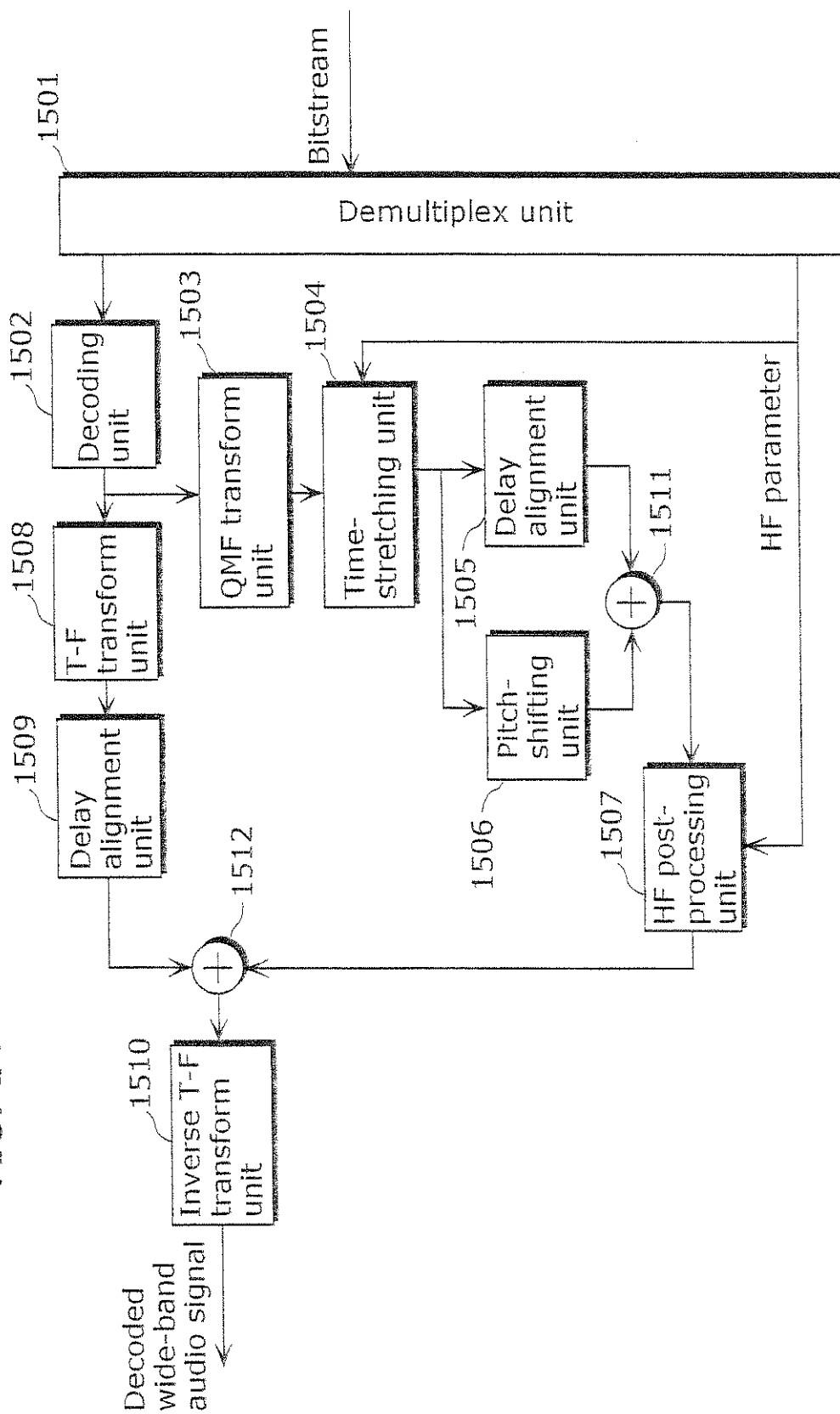


FIG. 15

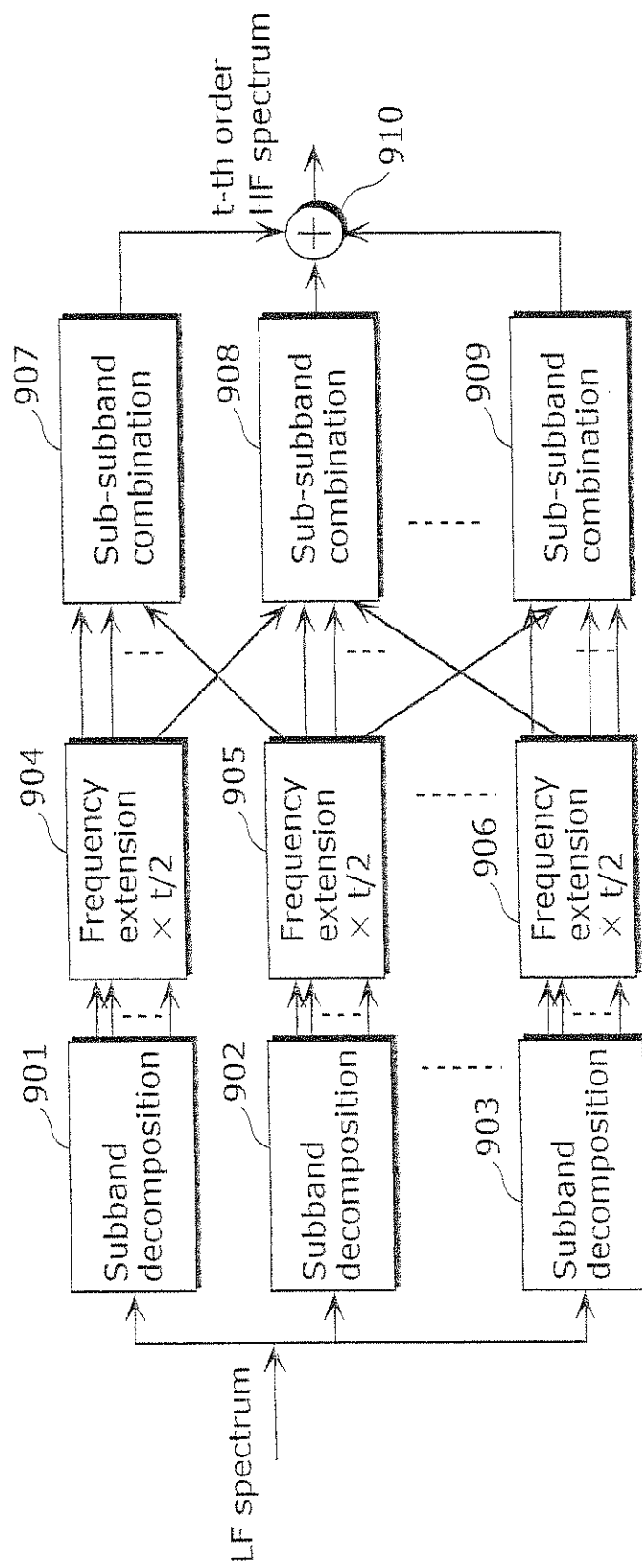


FIG. 16

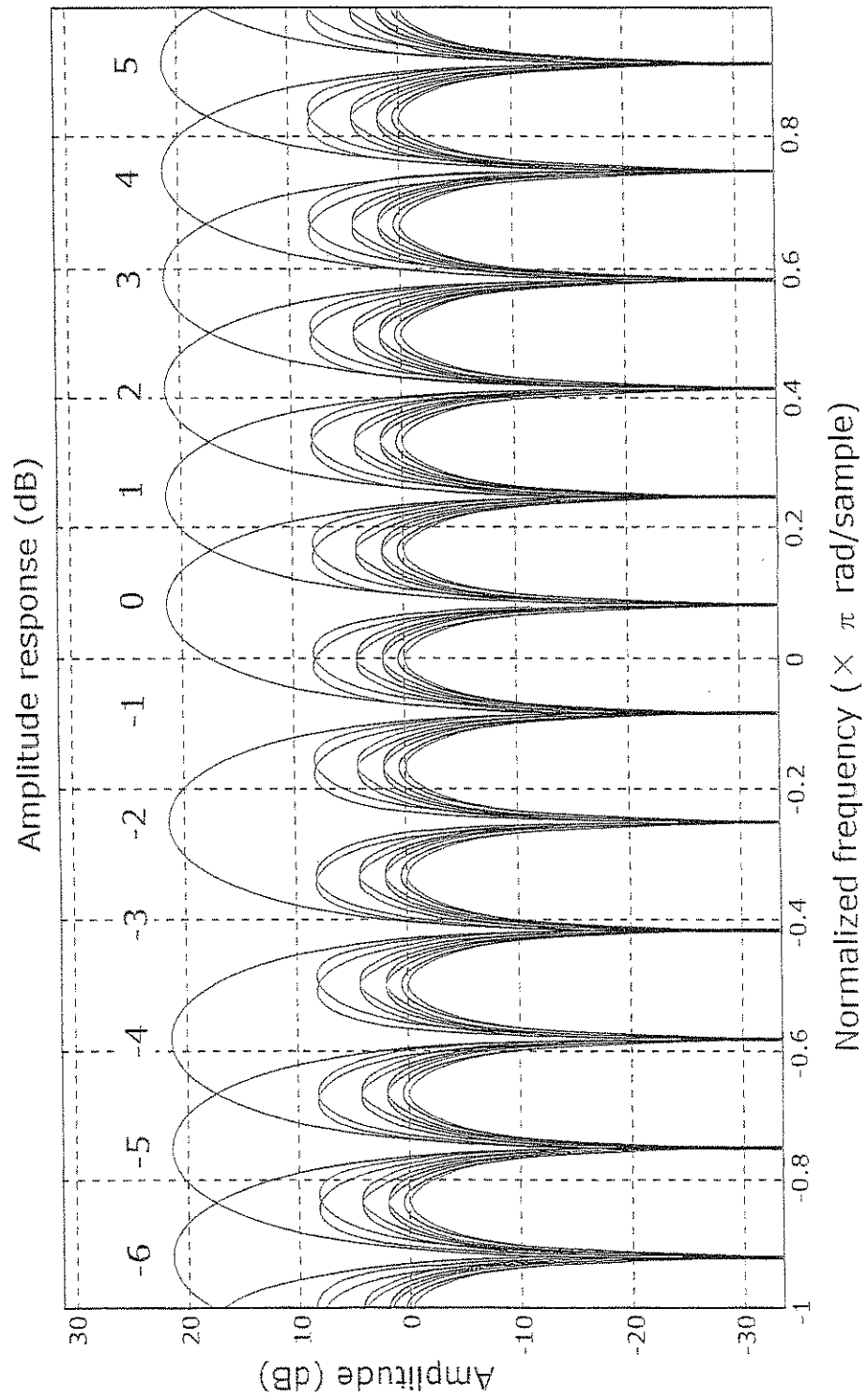


FIG. 17

