

RETRANSMITTING APPARATUS OF TERRESTRIAL DIGITAL BROADCASTING

ABSTRACT

The retransmitting apparatus of broadcasting for a portable/mobile phone is provided, which can shorten a delay time and can be downsized without assigning a useless frequency.

A retransmitting apparatus 1 of terrestrial digital broadcasting is provided, which comprises N tuning units 200, N digitally-processing units 311, an adding circuit 400, and a retransmitting unit 500. Each of the tuning units 200 selects one channel from received terrestrial digital broadcasting waves of a plurality of channels, and outputs an equivalent base band signal of the channel. Each of the digitally-processing units 311 extracts only a partially-received part from 13 segments of the equivalent base band signal with a LPF circuit 301 without Fourier-converting, and allocates the partially-received part to a segment in which the partially-received part is combined with a segment allocating circuit 302. The adding circuit 400 inputs the equivalent base band signals of the partially-received parts from each of the digitally-processing units 311 to add and synthesize, and retransmits as the terrestrial digital broadcasting wave of one channel through the retransmitting unit 500.

Figure 1