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- 51 -

RECEIVING APPARATUS, RECEIVING METHOD, AND SET UP BOX

[Name of Document] Abstract

[Summary]

[Object] In a community receiving system, broadcast radio waves which are multiplexed by right-handed polarized waves and left-handed polarized waves are received, and these broadcast radio waves are distributed to each terminal unit over a single IF signal cable.

[Solving Means] Right-handed polarized waves and left-handed polarized waves are converted into IF signals of mutually different frequencies by low noise converters 52 and 53 and then mixed together by a mixer 54. Further, these signals are mixed with ground wave television broadcast signals by a mixer 56 and distributed to each terminal unit 2 over a single IF signal cable. In the terminal unit 2, the ground wave television broadcast signals are separated by a branching filter 59 and fed to a receiver 61. A selection circuit 60 selects right-handed polarized waves and left-handed polarized waves in accordance with a polarized wave switching signal fed from the receiver 61 and performs frequency conversion as required, and then feeds the polarized waves to the receiver 61.

[Selected Figure] Fig. 1

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