INFORMATION TRANSMISSION DEVICE AND INFORMATION TRANSMISSION METHOD

ABSTRACT

Provided are an information transmission device and method thereof allowing a wireless device intended to newly start an operation in a white space to efficiently perform its preparatory operation, the transmission device including: a first retainer retaining first information including at least a list of channels available in each of first-type partial areas obtained when dividing an area at a first fineness; a second retainer retaining second information including at least a list of channels available in each of second-type partial areas obtained when dividing the area at a second fineness finer than the first fineness; a generator generating multiplexed information including the first and the second information so that the first and the second information are repeated at equal frequencies, or the first information is repeated at a frequency higher than that of the second information in the time axis direction; and a transmitter wirelessly transmitting the multiplexed information.

Figure 1