

Abstract

An angle-of-arrival identification device receives a reception signal including a plurality of subcarriers, using a plurality of antenna elements, and identifies an angle of arrival of the reception signal. The angle-of-arrival identification device includes signal processing units that extract predefined specific subcarriers (pilot carriers) from the reception signals received by each of the plurality of antenna elements, and an angle identification unit that identifies the angle of arrival on the basis of a phase difference between the specific subcarriers extracted by each of the signal processing units. The signal processing unit includes a frequency adjustment unit that adjusts a deviation, from a defined value, of a frequency of the reception signal received by the antenna element, and a filter unit that extracts the specific subcarrier by performing bandpass filter processing on the reception signal whose frequency has been adjusted.