

COMMUNICATION DEVICE AND COMMUNICATION METHOD

ABSTRACT

[Object] To provide a mechanism which is capable of suppressing the increase in
5 power consumption related to the reception of the PHY header while reducing the
power consumption by optimizing whether or not the portion subsequent to the PHY
header is received.

[Solution] A communication device includes a communication unit configured
to transmit a physical layer (PHY) header including two pieces of information for
10 identifying direct link communication. A communication device includes a
communication unit configured to receive a PHY header including two pieces of
information for identifying direct link communication and receive a portion
subsequent to the PHY header on a basis of the two pieces of information. A
communication device includes a communication unit configured to transmit a PHY
15 header including two pieces of information for identifying mesh network
communication. A communication device includes a communication unit
configured to receive a PHY header including two pieces of information for
identifying mesh network communication and receive a portion subsequent to the
PHY header on a basis of the two pieces of information.

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Representative Drawing

FIG. 15