

COMMUNICATION MANAGEMENT DEVICE AND COMMUNICATION MANAGEMENT METHOD

ABSTRACT

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Provided is a management device maintaining communication qualities while
accommodating a changeable communication environment. Based on correspondence
between each geographical position of plural managed devices and available frequencies
thereat, pair available frequencies available in common by arbitrary two managed devices are
10 specified for each pair, and notified to the arbitrary two devices. From managed devices,
acquiring pair communication qualities obtained when the pair available frequencies is used,
defined is a best pair available frequency capable of obtaining a best pair communication
quality. Specifying all of candidate paths connecting the each pair, relaying other managed
devices, calculated are, based on the best pair communication quality, path communication
15 qualities in the candidate paths connecting the each pair using the best pair available frequency.
Selecting for the each pair a use path having a best quality in the path communication qualities,
communication between the each pair is performed by using the use path.

Figure 2

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