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(54) **TERMINATION DETERMINATION DEVICE AND TERMINATION DETERMINATION METHOD**

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(57) **ABSTRACT**

An object of the present invention is to provide a terminal determination device and a terminal determination method, which enable identification of a reflection signal from a terminal portion of an optical fiber to be measured even in a case where a reflection signal caused by multiple reflection appears in an OTDR waveform in a mode in which an OTDR and the optical fiber to be measured are connected at a bent portion.

The reflection signal caused by multiple reflection inevitably propagates through a distance equal to a distance between true reflection points more than the other reflection point, because of multiple reflection. Therefore, a distance between the reflection signal and another reflection signal is inevitably coincident with a distance between the other reflection signals. In contrast, in a case of a reflection signal from a terminal portion **51** of the optical fiber, the distance between the reflection signal and another reflection signal is not coincident with the distance between the other reflection signals.

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