

**Espacenet****Bibliographic data: JP2014241555 (A) — 2014-12-25**

ATTENUATOR

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Classification: - **international:** *H03H11/24*
- **cooperative:**

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Abstract of JP2014241555 (A)

PROBLEM TO BE SOLVED: To provide an attenuator that has higher linearity and a satisfactory frequency characteristic.**SOLUTION:** A resistance that is subject to the same process fluctuation as a resistance included in an attenuation section 10a is disposed in a correction circuit 10c, a process fluctuation is detected on the basis of the resistance of the correction circuit 10c, and in accordance with the process fluctuation, a control signal to the attenuation section 10a from an attenuation control circuit 10b is adjusted such that a distortion component caused on a signal line and a distortion component caused on a short circuit line match in magnitude. Even when the resistance included in the attenuation section 10a shows a process fluctuation, the distortion component caused on the signal line and the distortion component caused on the short circuit line can match in magnitude to exert the effect of canceling both distortion components.