

Title (en)
DETECTOR DEVICE

Title (de)
DETEKTOREINRICHTUNG

Title (fr)
DISPOSITIF DÉTECTEUR

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Application
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Abstract (en)
[origin: WO2009115310A1] The invention relates to a high-frequency detector device (1) comprising a detector circuit in which the input gate of the branch line coupler, from which the fundamental wavelength of an input signal is extinguished, is used for decoupling a bias voltage VDC of two Schottky-diodes (4, 5) and by a HF-technique, is closed by a resistance (Ro) of a line impedance (Zo). Both phase-displaced outlets (8, 9) of the branch line-coupler (7) traverse adaption lines (19, 20) to reach two detector diodes (4, 5) and are recombined behind the detector diodes (4, 5). The combined signals are guided to the detector outlet (3) via a downstream path filter (34). A compensation circuit (21) comprises, for compensating the temperature drift of the detector diodes (4, 5), at least one additional diode (22, 24) that is structurally identical to the detector diodes (4, 5).

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