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(54) **RAMP SIGNAL CALIBRATION DEVICE**

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(71) Applicant: **REALTEK SEMICONDUCTOR CORPORATION, HSINCHU (TW)**

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(72) Inventors: **YEN-WEI LIU, Hsinchu (TW);
TSUNG-YEN TSAI, Hsinchu (TW);
WEN-HAU YANG, Hsinchu (TW)**

(57)

ABSTRACT

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A ramp signal calibration device includes a ramp generator circuit, a detector circuitry, and a calibration circuit. The ramp generator circuit is configured to output a ramp signal according to a set signal and a calibration signal. The detector circuitry is configured to detect the ramp signal or at least one pulse signal associated with the ramp signal, in order to generate at least one control signal. The calibration circuit is configured to generate a calibration signal in response to the at least one control signal, in order to adjust at least one of a falling slope or a rising slope of the ramp signal, or to adjust a duty cycle of the at least one pulse signal.

