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(57) **ABSTRACT**

(73) Assignees: **TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.**, Hsinchu (TW); **TSMC CHINA COMPANY LIMITED**, Shanghai (CN)

A device includes an electrostatic discharge (ESD) protection switch and an ESD driver. The ESD driver is configured to receive a first voltage at a first terminal and receive a second voltage at a second terminal and includes a first trigger circuit and a first resistor. The first trigger circuit includes a first input terminal and a first output terminal. The first input terminal is configured to receive the first voltage. The first resistor is coupled between the first output terminal and the second terminal. When the first voltage received at the first terminal is a first overvoltage and a voltage difference between the first voltage and the second voltage is higher than a first voltage threshold, the ESD driver outputs a first trigger signal to turn on the ESD protection switch.

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