



US 20220385282A1

(19) **United States**(12) **Patent Application Publication**
PHILLIPS et al.(10) **Pub. No.: US 2022/0385282 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **FAULT VOLTAGE SCALING ON LOAD
SWITCH CURRENT SENSE****Publication Classification**(51) **Int. Cl.****H03K 17/0412** (2006.01)**H03K 17/693** (2006.01)(52) **U.S. Cl.****CPC H03K 17/04123** (2013.01); **H03K 17/693**
(2013.01); **H03K 17/0822** (2013.01)

(57)

ABSTRACT

A load switch includes a switch input, a switch output, a first field-effect transistor (FET), and a second FET. The switch input is adapted to be coupled to a controller output of a controller. The switch output is adapted to be coupled to a controller input of the controller. The first FET has a gate and a source. The gate of the first FET is coupled to the switch input. The second FET has a gate and a source. The gate of the second FET is coupled to the source of the first FET. The source of the second FET is coupled to the switch output.

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Richardson, TX (US)(21) Appl. No.: **17/538,547**(22) Filed: **Nov. 30, 2021****Related U.S. Application Data**(60) Provisional application No. 63/193,490, filed on May
26, 2021.