



(12) **Patent Application Publication**  
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(43) **Pub. Date:** **May 30, 2024**

## Publication Classification

(51) **Int. Cl.**  
*H02H 3/08* (2006.01)  
*G01R 31/12* (2006.01)  
*H02H 1/00* (2006.01)

(52) **U.S. Cl.**  
CPC ..... *H02H 3/08* (2013.01); *G01R 31/12*  
(2013.01); *H02H 1/0092* (2013.01)

(57) **ABSTRACT**

A system includes a plurality of sensors, a processor, and a notification system. The plurality of sensors detects personnel within a proximity from an electrical equipment. The processor obtains data from the electrical equipment and the detection from the plurality of sensors; calculates safety parameters based on the data and the detection; and controls one or more Overcurrent Protective Devices (OCPDs), dynamically and without human intervention, by changing a plurality of relay settings based on the safety parameters. The notification system obtains information comprising the control and safety parameters from the processor and notifies the information to related personnel.

(22) Filed: **Nov. 29, 2022**

