



US 20220360217A1

(19) **United States**(12) **Patent Application Publication**
Kosharovsky et al.(10) **Pub. No.: US 2022/0360217 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **PHOTOVOLTAIC SYSTEM FAILURE AND ALERTING***G06F 11/32* (2006.01)*H02S 50/00* (2006.01)(71) Applicant: **Solaredge Technologies Ltd.**, Herzeliya (IL)(52) **U.S. Cl.**CPC *H02S 50/10* (2014.12); *G01R 19/16528* (2013.01); *G01R 19/16538* (2013.01); *G06F 11/327* (2013.01); *H02S 50/00* (2013.01); *Y02E 10/50* (2013.01); *Y04S 10/52* (2013.01)(72) Inventors: **Yury Kosharovsky**, Givat Ze'ev (IL);
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(57)

ABSTRACT(21) Appl. No.: **17/824,036**(22) Filed: **May 25, 2022****Related U.S. Application Data**

(63) Continuation of application No. 16/655,648, filed on Oct. 17, 2019, now Pat. No. 11,387,778.

(60) Provisional application No. 62/746,698, filed on Oct. 17, 2018.

Publication Classification(51) **Int. Cl.***H02S 50/10* (2006.01)*G01R 19/165* (2006.01)

A fault identification may be triggered by a component of a power generation system (PGS), such as a hardware component, a controller of a hardware component, a device of the PGS, a computer connected to the PGS, a computer configured to monitor the PGS, and/or the like. The fault identification may be the result of a failure of a component of the PGS, a future failure of a component of the PGS, a routine maintenance of the PGS, and/or the like. The fault is converted to a notification on a user interface using a mapping of faults, root-causes, notification rules, and/or the like. The conversion may use one or more lookup tables and/or formulas for determining the impact of the fault on the PGS, and/or the like.

