



US 20220360106A1

(19) **United States**(12) **Patent Application Publication****Aloni et al.**(10) **Pub. No.: US 2022/0360106 A1**(43) **Pub. Date: Nov. 10, 2022**

(54) **PROVIDING POSITIONAL AWARENESS INFORMATION AND INCREASING POWER QUALITY OF PARALLEL CONNECTED INVERTERS**

*H02J 3/38* (2006.01)*H02M 7/493* (2006.01)*H02J 3/48* (2006.01)*H02M 7/42* (2006.01)

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(52) **U.S. Cl.**CPC ..... *H02J 13/00017* (2020.01); *H02M 7/003*(2013.01); *H02J 3/38* (2013.01); *H02M 7/493*(2013.01); *H02J 3/48* (2013.01); *H02J**13/00002* (2020.01); *H02M 7/42* (2013.01);*H02J 1/10* (2013.01)(21) Appl. No.: **17/869,405**(22) Filed: **Jul. 20, 2022****Related U.S. Application Data**

(63) Continuation of application No. 16/684,623, filed on Nov. 15, 2019, now Pat. No. 11,418,129, which is a continuation of application No. 16/192,921, filed on Nov. 16, 2018, now Pat. No. 10,554,149.

(60) Provisional application No. 62/588,600, filed on Nov. 20, 2017.

**Publication Classification**(51) **Int. Cl.***H02J 13/00* (2006.01)*H02M 7/00* (2006.01)

(57)

**ABSTRACT**

A method and a system sense at least one phase difference between at least two phases of a group of parallel connected three phase AC output terminals (e.g., a first phase AC output terminal, a second phase AC output terminal, or a third phase AC output terminal). The parallel connected AC output terminals may be three parallel connected DC to AC three phase inverters. Features of the parallel connected three phase AC output terminals enable wiring of conductors to one phase of an AC output terminal to be swapped with wiring of conductors of one phase of another phase AC output terminal. A sign of at least one phase difference is verified different from signs of other phase differences thereby the system determining the lateral position of the at least one three phase inverters relative to at least one other of the three phase inverters.

