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(71) Applicant: **LANDIS+GYR INNOVATIONS, INC.**
[US/US]; 30000 Mill Creek Avenue, Suite 100, Alpharetta,
Georgia 30022 (US).

(72) Inventors: **KARLGAARD, Matt**; 6436 County Road 11,
Pequot Lakes, Minnesota 56472 (US). **RADGOWSKI,**

John; 15107 Endstone Trail, Midlothian, Virginia 23112
(US). **STENBERG, David**; 2800 Duncan Road, Lafayette,
Indiana 47904 (US).

(74) Agent: **HOLMES, Brenda Ozaki**; IP Docketing - 22nd
Floor, 1100 Peachtree Street NE, Suite 2800, Atlanta, Georgia
30309 (US).

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(54) Title: ISLANDING CONTROL USING MULTI-PORT METERS

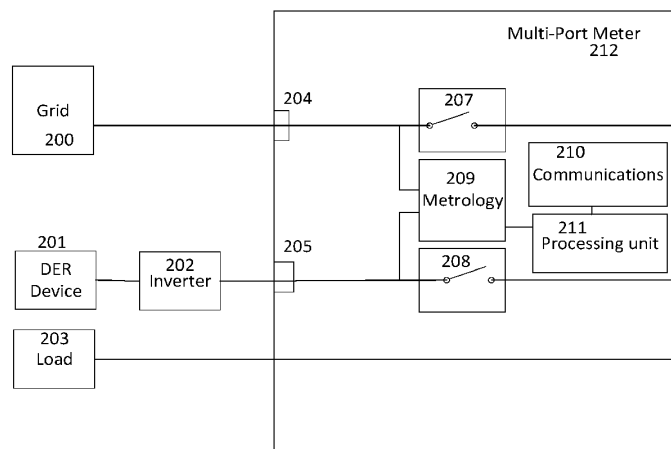


Fig. 2

(57) Abstract: A multi-port meter system supports islanding operations at a premises. A multi-port meter includes at least a load port, a grid port, an auxiliary port, and at least two switches, a grid switch and an auxiliary switch. The grid port connects the multi-port meter to the grid and the grid switch allows the multi-port meter to control the meter's connection to the grid. The auxiliary port connects the multi-port meter to an inverter, which is connected to a distributed energy resource device, and the auxiliary switch allows the multi-port meter to control the inverter's connection to the load associated with the premises and the grid. The transition to islanding mode may be based on determinations made at the meter, the inverter, a remote device, or by a user.

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