Method For Dynamic Intelligent Load Balancing

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TECHNOLOGY DESCRIPTION

University inventors have come up a way to minimize active losses and improve voltage balance in a power distribution system. The invention relies on networked mechanisms within common power meters and a simple add-on to dynamically balance the power distribution system in case of isolated failure or fluctuations. The load balancing is done on a customer level and the whole supply area of a certain supply substation is balanced using a recursive algorithm which starts with far end laterals and finishes at the root node.

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	10,218,179	02/26/2019	2014-214

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OTHER INFORMATION

KEYWORDS

power distribution network, power meters, controls

CATEGORIZED AS

- **Computer**
  - Software
- **Energy**
  - Other
  - Transmission

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