

3 Documents

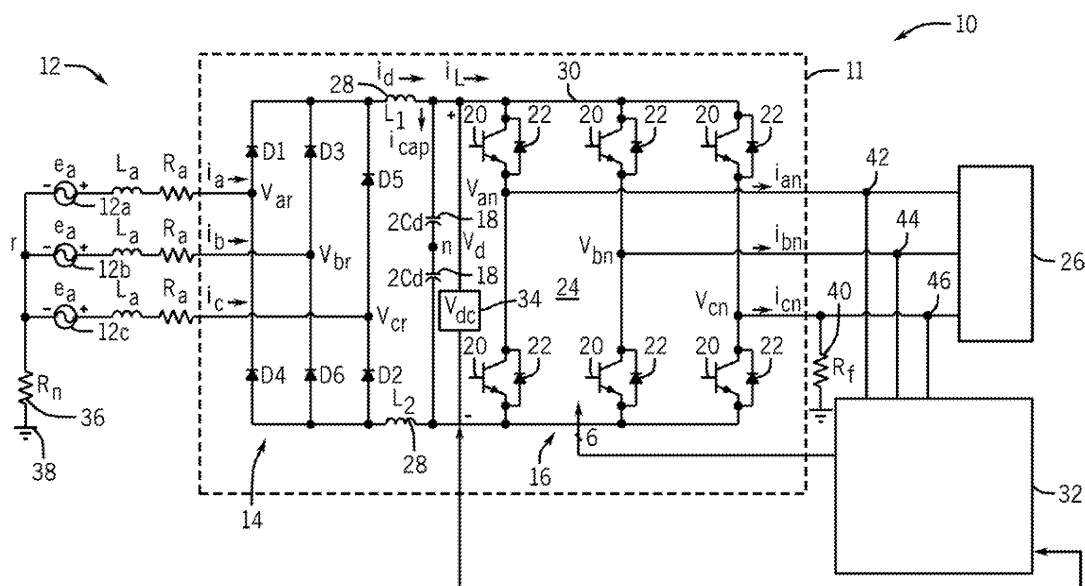
Publication numbers	Title	Current assignees
US20130322133 A1	System and method for high resistance ground fault detection and protection in power distribution systems	EATON
US20130044522 A1	Low weight 3-phase 5-output wire power conversion system for micro-grid	HONEYWELL INTERNATIONAL
AU2010212454 A1	System and method for monitoring power filters and detecting power filter failure in a wind turbine electrical generator	VESTAS WIND SYSTEMS

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Title

(EP2856591)

System and method for high resistance ground fault detection and protection in power distribution systems

Images**Publication data including kind & date**

US20130322133	A1	2013-12-05	US20130322133
CA2871134	A1	2013-12-12	CA2871134
WO2013184332	A1	2013-12-12	WO2013184332
AU2013272157	A1	2014-11-06	AU2013272157
CN104364989	A	2015-02-18	CN104364989
KR20150023346	A	2015-03-05	KR20150023346
BR112014029699	A1	2015-03-24	BR112014029699
EP2856591	A1	2015-04-08	EP2856591
IN9017DEN2014	A	2015-05-22	IN2014DN09017
US9046560	B2	2015-06-02	US9046560
EP2856591	B1	2017-04-19	EP2856591
BR112014029699	A2	2017-06-27	BR112014029699
CN104364989	B	2017-11-21	CN104364989B

**Abstract**

(EP2856591)

A system and method for detecting high resistance ground faults in a power distribution system is disclosed. A fault detection and protection system is provided that includes a plurality of current sensors to measure current on the three phase output of the converter-inverter arrangement of the power distribution system and a controller configured to measure the three phase current on the three phase output, extract a fundamental current component for each phase of the three phase output, extract a third harmonic component for each phase of the three phase output, compare the fundamental current component and the third harmonic component extracted from each phase to a first threshold and a second threshold, respectively, and detect a ground fault on a phase of the three phase output based on the comparisons of the fundamental current component and the third harmonic component to the first and second thresholds.

Inventors

LI HUAQIANG

Latest standardized assignees - inventors removed

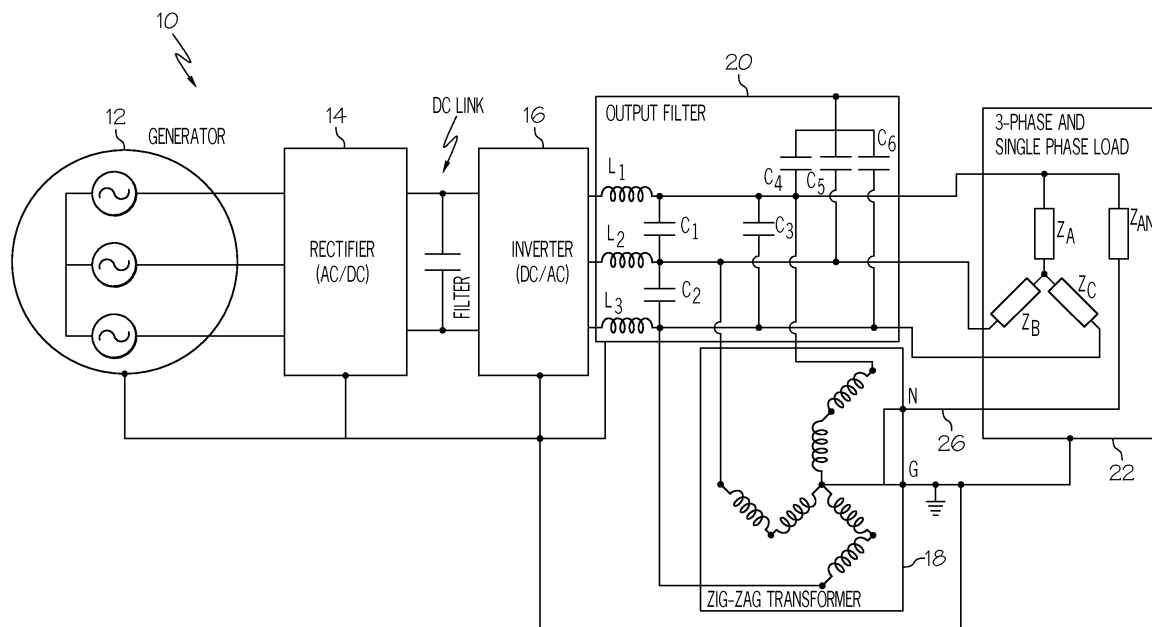
EATON

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Title

(US8964423)

Low weight 3-phase 5-output wire power conversion system for micro-grid

Images**Publication data including kind & date**

US20130044522	A1	2013-02-21	US20130044522
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US8964423	B2	2015-02-24	US8964423
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**Abstract**

(US8964423)

A power conversion system eliminates output transformers and replaces them with a zig-zag transformer and a filter that provides a 3-phase 5-wire system with significantly reduced weight and size as compared with conventional systems. The zig-zag transformer may have a low zero sequence impedance. The power conversion system also ensures operational safety by detecting various types of ground faults.

Inventors

ANGHEL CRISTIAN

Latest standardized assignees - inventors removed

HONEYWELL INTERNATIONAL

Family 3/3 - FAMPAT - ©Questel

Title

(EP2299568)

System and method for monitoring power filters and detecting power filter failure in a wind turbine electrical generator

Images

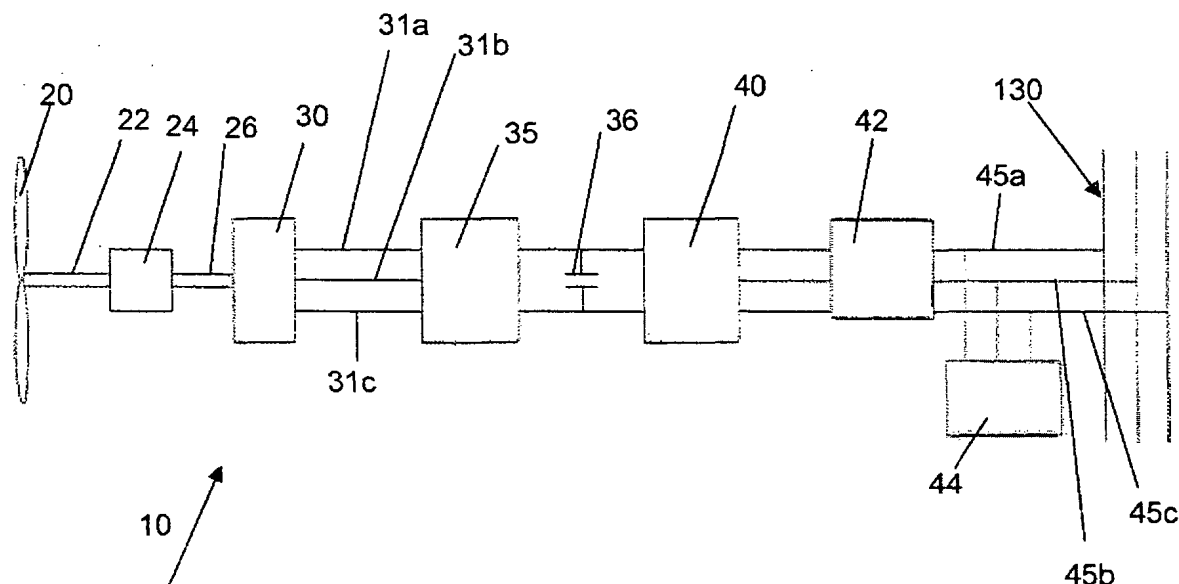


Figure 1

Publication data including kind & date

AU2010212454	A1	2011-03-10	AU2010212454
EP2299568	A1	2011-03-23	EP2299568
CN101995529	A	2011-03-30	CN101995529
AU2010212454	B2	2014-05-22	AU2010212454
CN101995529	B	2015-01-28	CN101995529B
EP2299568	B1	2016-06-22	EP2299568
ES2586334	T3	2016-10-13	ES2586334

**Abstract**

(EP2299568)

A method for determining a fault in a power filter of a wind turbine generator, the method including the steps of: calculating a reactive power consumed by the power filter; and comparing the calculated reactive power to a predefined threshold reactive power to determine the fault. A system for detecting a fault in a power filter of a wind turbine generator, and a computer readable medium containing computer program code for determining a fault in a power filter of a wind turbine generator are also disclosed.

Inventors

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Latest standardized assignees - inventors removed

VESTAS WIND SYSTEMS