



US008477514B2

(12) **United States Patent**
Artusi et al.

(10) **Patent No.:** **US 8,477,514 B2**
(45) **Date of Patent:** ***Jul. 2, 2013**

(54) **POWER SYSTEM WITH POWER CONVERTERS HAVING AN ADAPTIVE CONTROLLER**

(58) **Field of Classification Search**
USPC 363/21.01, 35, 37, 40, 41, 47, 48,
363/95, 97, 98, 131, 132
See application file for complete search history.

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(57) **ABSTRACT**

A power system having a power converter with an adaptive controller. In one embodiment, a power converter coupled to a load includes a power switch configured to conduct for a duty cycle to provide an output characteristic at an output thereof. The power converter also includes a power converter controller configured to receive a signal from the load indicating a system operational state of the load and enable a power converter topological state as a function of the signal.

20 Claims, 12 Drawing Sheets

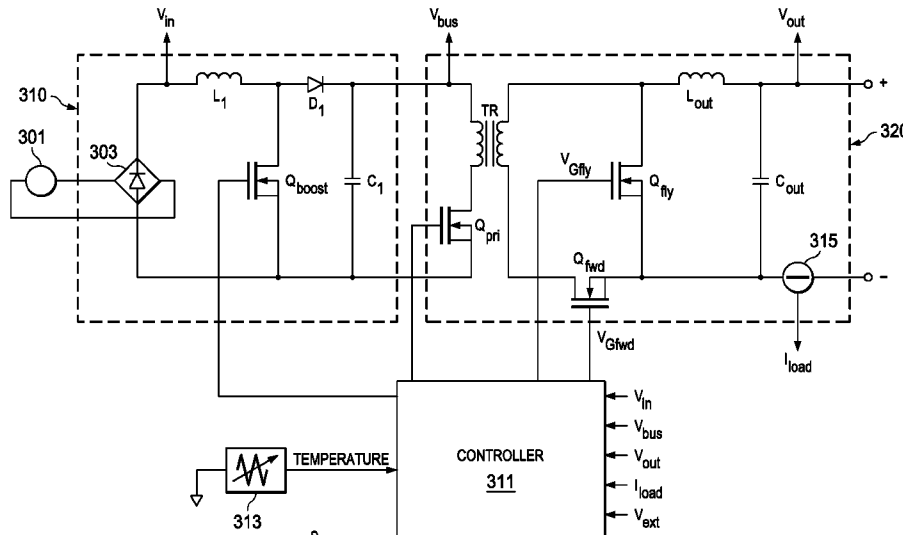
(65) **Prior Publication Data**
US 2010/0149838 A1 Jun. 17, 2010

Related U.S. Application Data

(63) Continuation of application No. 12/051,334, filed on Mar. 19, 2008, now Pat. No. 7,667,986, which is a continuation-in-part of application No. 11/710,276, filed on Feb. 23, 2007, now Pat. No. 7,675,759, which is a continuation-in-part of application No. 11/607,325, filed on Dec. 1, 2006, now Pat. No. 7,675,758.

(51) **Int. Cl.**
H02M 3/335 (2006.01)

(52) **U.S. Cl.**
USPC 363/21.01



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