Samsung Electronics Co., LTD. and Dell Technologies Inc.

v. MyPAQ Holdings LTD.

Patent Owner Demonstratives IPR 2022-00311 U.S. Patent No. 8,477,514 February 24, 2023

James Carmichael Steve McBride Mitch Yang Carmichael IP, PLLC

DEMONSTRATIVE EXHIBIT - NOT EVIDENCE

Exhibit 2029 IPR2022-00311

Overview

Background

Claim 1

Claim 6

Claims 11 and 16

Power System Controller

Dependent Claims

Ground 2B

Overview

Background

Claim 1

Claim 6

Claims 11 and 16

Power System Controller

Dependent Claims

Ground 2B

IPR 2022-00311

U.S Patent No. 8,477,514

ted States Patent

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- ER SYSTEM WITH POWER /ERTERS HAVING AN ADAPTIVE FROLLER
- ors: Daniel A. Artusi, Austin, TX (US); Ross Fosler, Buda, TX (US); Allen F. Rozman, Murphy, TX (US)
- tee: Flextronics International USA, Inc., San Jose, CA (US)
- Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
- This patent is subject to a terminal disclaimer.
- No.: 12/709,795
 - Feb. 22, 2010

Prior Publication Data

10/0149838 A1 Jun. 17, 2010

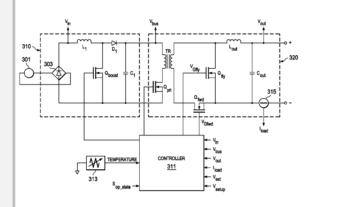
Related U.S. Application Data

nation of application No. 12/051,334, filed on 9, 2008, now Pat. No. 7,667,986, which is a uation-in-part of application No. 11/710,276, n Feb. 23, 2007, now Pat. No. 7,675,759, which continuation-in-part of application No. 1,325, filed on Dec. 1, 2006, now Pat. No. 758.

3/335 (2006.01)

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20 Claims, 12 Drawing Sheets



Ex. 1001 ['514 Patent]

US 8.477.514 B2

363/95, 97, 98, 131, 132

...... 363/21.01, 35, 37, 40, 41, 47, 48,

See application file for complete search history.

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(74) Attorney, Agent, or Firm - Boisbrun Hofman, PLLC

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.

3/2008

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*Jul. 2, 2013

(10) Patent No.:

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(45) Date of Patent:

(58) Field of Classification Search

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Primary Examiner - Adolf Berhane

Assistant Examiner - Yemane Mehari

ENT OWNER DEMONSTRATIVE BITS - NOT EVIDENCE

Effective Filing Date: December 1, 2006

Ground	Claims	Statutory Basis (35 U.S.C. §)	Prior Art
1A	1-12, 14-17, 19-20	102	Chagny
1B	1-20	103	Chagny
2A	1-10, 16-17, 19-20	102	Hwang
2B	11-12, 14-17, 19-20	103	Hwang, Chagny
2C	18	103	Hwang
2D	13, 18	103	Hwang, Chagny

See Pet., 6, 8-9.

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'514 Patent: Representative Claim 11

11. A power system, comprising:

a power system controller configured to enable operation of components of a processor system to establish a state of power drain thereof, said power system controller configured to provide a signal to identify operation of said processor system in said state of power drain; and a power converter, coupled to said processor system, comprising a power converter controller configured to receive said signal from said power system controller, to sense a power level of said state of power drain in response to said signal, and to control an internal operating characteristic of said power converter as a function of said power level.

Ex. 1001 ['514 Patent] 28:62-29:7

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