



US008736365B2

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

(10) **Patent No.:** US 8,736,365 B2

(45) **Date of Patent:** May 27, 2014

(54) **BROADBAND LINEARIZATION MODULE AND METHOD**

(75) Inventors: **Paulo Correa**, Dana Point, CA (US);
Andre A. Castro, Irvine, CA (US)

(73) Assignee: **Empower RF Systems, Inc.**, Inglewood, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 87 days.

(21) Appl. No.: **13/285,972**

(22) Filed: **Oct. 31, 2011**

(65) **Prior Publication Data**

US 2012/0194270 A1 Aug. 2, 2012

Related U.S. Application Data

(60) Provisional application No. 61/409,035, filed on Nov. 1, 2010.

(51) **Int. Cl.**
H03F 1/26 (2006.01)

(52) **U.S. Cl.**
USPC **330/149; 330/124 R; 330/53**

(58) **Field of Classification Search**

USPC 330/149, 53, 124 R
See application file for complete search history.

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Primary Examiner — Patricia Nguyen

(74) *Attorney, Agent, or Firm* — Wilmer Cutler Pickering Hale and Dorr LLP

(57) **ABSTRACT**

A system including a power amplifier and a pre-distortion module coupled to the power amplifier. The pre-distortion module includes one or more smaller versions of the power amplifier to generate a pre-distortion signal that compensates for any memory-effect or inertia present in the power amplifier with application on frequency hopping and larger (up to 1 octave) instantaneous bandwidth communication systems.

19 Claims, 2 Drawing Sheets

