



US009409486B2

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

(10) **Patent No.:** **US 9,409,486 B2**
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **CONTROL METHOD AND SYSTEM OF ELECTRIC VEHICLE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 22 days.

(21) Appl. No.: **14/530,300**

(22) Filed: **Oct. 31, 2014**

(65) **Prior Publication Data**

US 2015/0175015 A1 Jun. 25, 2015

(30) **Foreign Application Priority Data**

Dec. 24, 2013 (KR) 10-2013-0162932

(51) **Int. Cl.**

H02P 7/00 (2016.01)
B60L 11/18 (2006.01)

(Continued)

(52) **U.S. Cl.**

CPC . **B60L 11/18** (2013.01); **B60K 1/00** (2013.01); **B60L 3/12** (2013.01); **B60L 11/1803** (2013.01); **B60L 15/025** (2013.01); **B60L 15/2045** (2013.01); **B60W 10/00** (2013.01); **B60W 20/00** (2013.01); **B60L 2240/421** (2013.01); **B60L 2240/423** (2013.01); **B60L 2240/427** (2013.01); **B60L 2240/429** (2013.01); **B60L 2240/547** (2013.01); **B60L 2240/549** (2013.01); **B60L 2260/44** (2013.01); **Y02T 10/56** (2013.01);

(Continued)

(58) **Field of Classification Search**

CPC B60W 20/00; B60W 10/08; B60W 2710/083; H02P 21/0035

See application file for complete search history.

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(57) **ABSTRACT**

A control method of electric vehicle according to an exemplary embodiment of the present invention may include a battery supplying electricity, a motor receiving electricity from the battery and generating power, and a controller controlling the battery and the motor, wherein the controller executes instructions for: detecting a torque command, a motor speed, and a motor current; calculating a motor voltage from the motor current; determining whether voltage utilization according to a speed range of the motor is higher than a predetermined value; generating an operating point correcting function according to the motor speed when the voltage utilization is not higher than the predetermined value; calculating a current command according to the motor speed from the operating point correcting function; and outputting the calculated current command.

6 Claims, 3 Drawing Sheets

