Title (en)
METHOD AND APPARATUS FOR BRUSHLESS ELECTRICAL MACHINE CONTROL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINES BÜRSTENLOSEN ELEKTROMOTORS

Title (fr)
PROCÉDÉ ET APPAREIL DE COMMANDE DE MACHINE ÉLECTRIQUE SANS BALAI

Publication
EP 3069443 A4 20180103 (EN)

Application
EP 14862821 A 20141113

Priority
• US 201361903745 P 20131113
• US 2014065422 W 20141113

Abstract (en)
[origin: TW201539968A] A variable reluctance motor load mapping apparatus includes a frame, an interface disposed on the frame configured for mounting a variable reluctance motor, a static load cell mounted to the frame and coupled to the variable reluctance motor, and a controller communicably coupled to the static load cell and the variable reluctance motor, the controller being configured to select at least one motor phase of the variable reluctance motor, energize the at least one motor phase, and receive motor operational data from at least the static load cell for mapping and generating an array of motor operational data look up tables.

IPC 8 full level
H02P 25/08 (2016.01); **G01L 3/22** (2006.01); **G01R 31/34** (2006.01); **H02P 6/08** (2016.01); **H02P 6/10** (2006.01); **H02P 23/00** (2016.01); **H02P 23/12** (2006.01); **H02P 25/098** (2016.01)

CPC (source: EP US)
G01L 3/22 (2013.01 - US); **G01R 31/34** (2013.01 - US); **H02P 6/10** (2013.01 - EP); **H02P 23/0031** (2013.01 - EP); **H02P 23/12** (2013.01 - EP); **H02P 25/098** (2016.02 - EP)

Citation (search report)
• [Y] US 2005011288 A1 20050120 - FLAMMER HERMANN [DE], et al
• [Y] US 5621294 A 19970415 - BESSETTE STEVEN C [US], et al
• [Y] US 7071659 B1 20060704 - TORREY DAVID A [US], et al
• [A] US 4868477 A 19890919 - ANDERSON FRANK J [US], et al
• [A] US 4670696 A 19870602 - BYRNE JOHN V [IE], et al
• See also references of WO 2015073651A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
CN 105900332 A 20160824; CN 105900332 B 20191105; CN 110677081 A 20200110; CN 110677081 B 20230804; CN 117318541 A 20231229; EP 3069443 A1 20160921; EP 3069443 A4 20180103; TW 201539968 A 20151016; TW I692931 B 20200501

DOCDB simple family (application)
CN 201480073094 A 20141113; CN 201910984128 A 20141113; CN 202310871155 A 20141113; EP 14862821 A 20141113; TW 103139219 A 20141112