

Title (en)  
MOTOR AND MOTOR CONTROL CIRCUIT

Title (de)  
MOTOR UND MOTORSTEUERUNGSSCHALTUNG

Title (fr)  
MOTEUR ET CIRCUIT DE COMMANDE DE MOTEUR

Publication  
**EP 3317945 A1 20180509 (EN)**

Application  
**EP 16857790 A 20161020**

Priority

- JP 2015208411 A 20151022
- JP 2015249980 A 20151222
- JP 2015250005 A 20151222
- JP 2016044863 A 20160308
- KR 20160106702 A 20160823
- JP 2016168884 A 20160831
- JP 2016202117 A 20161013
- KR 2016011830 W 20161020

Abstract (en)  
[origin: JP2018042445A] PROBLEM TO BE SOLVED: To eliminate necessity of an insulator between stator elements 3 in a single-phase claw-pole motor 100 configured by laminating a plurality of stator elements 3.SOLUTION: A stator 20 includes a plurality of laminated stator elements 3, and each of the stator elements 3 includes a plurality of claw magnetic poles 43a, 43b formed along a circumferential direction and a coil 4c wound in a the circumferential direction. The coils 4c of the adjacent stator elements 3 are wound in mutually reverse directions, and the adjacent stator elements 3 are configured so that the claw magnetic poles 43a, 43b of one stator element 3 and the claw magnetic poles 43a, 43b of the other stator element 3 are opposed to each other and have the same polarity.SELECTED DRAWING: Figure 3

IPC 8 full level  
**H02K 1/14** (2006.01); **H02K 3/52** (2006.01)

CPC (source: EP US)  
**H02K 1/145** (2013.01 - EP US); **H02K 21/145** (2013.01 - EP)

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
CN 108028555 A 20180511; CN 108028555 B 20191210; EP 3317945 A1 20180509; EP 3317945 A4 20180704; JP 2018042445 A 20180315

DOCDB simple family (application)  
CN 201680054353 A 20161020; EP 16857790 A 20161020; JP 2016202117 A 20161013