

## (12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织  
国际局

(43) 国际公布日  
2015 年 4 月 16 日 (16.04.2015)



(10) 国际公布号  
**WO 2015/051740 A1**

- (51) 国际专利分类号:  
H02K 1/12 (2006.01) H02K 3/28 (2006.01)  
H02K 1/22 (2006.01)
- (21) 国际申请号: PCT/CN2014/088158
- (22) 国际申请日: 2014 年 10 月 9 日 (09.10.2014)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (30) 优先权:  
201310470189.6 2013 年 10 月 10 日 (10.10.2013) CN
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(54) Title: DISC POWER GENERATOR

(54) 发明名称: 盘式发电机

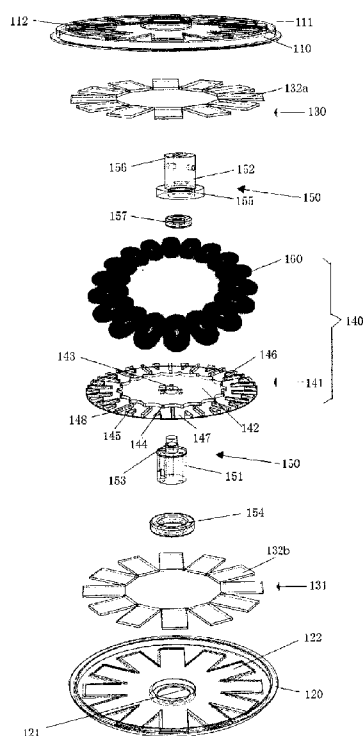


图 1 / FIG. 1

(57) Abstract: A disc power generator comprises a first housing (110) and a second housing (120). The first housing and the second housing are locked and fixed together to enclose a receiving space. The disc power generator further comprises a first magnet set (130) and a second magnet set (131) provided in the receiving space. A plane where the first magnet set (130) is located is parallel to a plane where the second magnet set (131) is located, and a unidirectional magnetic field is formed between the first magnet set and the second magnet set (131). An armature (140) parallel to the plane where the first magnet set (130) is located is provided between the first magnet set (130) and the second magnet set (131). The armature comprises a board (141). On the board (141), with the board (141) as the center, multiple coils (160) arranged at equal intervals in a circumferential form on a same plane are fixed mounted. The coils are in a spiral form, the plane where the coils are located is parallel to the board (141). The multiple coils are electrically connected to each other through circuits on the board (141). The armature (140) in the disc power generator is insensitive to magnetic reluctance and rotates stably.

(57) 摘要: 一种盘式发电机, 包括第一壳体(110)和第二壳体(120); 第一壳体和第二壳体扣合地固定在一起, 围成一容置空间; 盘式发电机还包括设置于容置空间中的第一磁体组(130)和第二磁体组(131); 第一磁体组(130)所在的平面和第二磁体组(131)所在的平面平行, 在第一磁体组(130)和第二磁体组(131)之间形成同向的磁场; 第一磁体组(130)和第二磁体组(131)之间设有与该第一磁体组(130)所在平面平行的电枢(140); 电枢包括板(141); 板(141)上还以该板(141)中心固定安装有多个在同一平面上等间距地排成圆周状的线圈(160); 线圈呈螺旋状, 其所在平面与该板(141)平行; 多个线圈通过板(141)上的电路彼此电性连接。该盘式发电机中的电枢(140)不会受到磁阻影响, 旋转平稳。



CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE,  
IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO,  
RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI,  
CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD,  
TG)。

**本国际公布:**

- 包括国际检索报告(条约第 21 条(3))。
- 包括经修改的权利要求(条约第 19 条(1))。