

Title (en)  
HOMOPOLAR COMPOUND-TYPE ASYNCHRONOUS MOTOR

Title (de)  
HOMOPOLARER COMPOUND-ASYNCHRONMOTOR

Title (fr)  
MOTEUR ASYNCHRONE DU TYPE HOMOPOLAIRE COMPOSE

Publication  
**EP 3304695 A1 20180411 (FR)**

Application  
**EP 16733157 A 20160530**

Priority  
• FR 1501109 A 20150529  
• FR 2016051292 W 20160530

Abstract (en)  
[origin: WO2016193609A1] Disclosed is an asynchronous rotating electric machine in which none of the electrical windings is rotating, said machine having a homopolar compound structure. The machine comprises: a rotor including magnetic flux return parts (13); and a stator formed by a pair of armatures (11, 12) and a magnetic wedge (15) connecting the armatures (11, 12) and providing the magnetic flux in the direction of the axis of rotation, an annular induction coil (14) being supplied with alternating current and housed between the air gap and the wedge, and one or two armature coils (27) being received by one or both of the armatures (11, 12) generating an alternating magnetic flux.

IPC 8 full level  
**H02K 1/14** (2006.01); **H02K 19/06** (2006.01); **H02K 19/14** (2006.01)

CPC (source: CN EP US)  
**H02K 1/145** (2013.01 - CN EP US); **H02K 1/146** (2013.01 - CN EP US); **H02K 19/06** (2013.01 - CN EP US); **H02K 19/14** (2013.01 - CN EP US); **H02K 2201/12** (2013.01 - CN EP US)

Citation (search report)  
See references of WO 2016193609A1

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**FR 3036868 A1 20161202**; CN 107873116 A 20180403; CN 107873116 B 20201106; EP 3304695 A1 20180411; JP 2018516532 A 20180621; JP 6917363 B2 20210811; US 10250087 B2 20190402; US 2018083497 A1 20180322; WO 2016193609 A1 20161208

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