

Title (en)  
TOROIDAL POLYPHASE ELECTRIC MACHINE

Title (de)  
TOROIDALE MEHRPHASIGE ELEKTRISCHE MASCHINE

Title (fr)  
MACHINE ÉLECTRIQUE TOROÏDALE POLYPHASÉE

Publication  
**EP 3698454 A1 20200826 (FR)**

Application  
**EP 18803743 A 20181016**

Priority  
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• FR 2018052572 W 20181016

Abstract (en)  
[origin: WO2019077261A1] The invention relates to an electric machine having a rotor (11a, 11b, 11c) comprising a set of permanent magnets (13a, 13b, 13c, 13d, 13e, 13f, 13g) and a stator comprising a stator strip (1) made of a soft ferromagnetic material, said strip (1) supporting a coil body (4) having a single discontinuity, said coil body (4) supporting a plurality of wire coils (8) so as to form a polyphase coil stator assembly (10) of the toroidal type, characterised in that said strip (1) has a single discontinuity and has at least one partial cut (2) at regular intervals between two consecutive wire coils (8).

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Citation (examination)  
• US 2006232371 A1 20061019 - HOWELL DAVID J [NZ], et al  
• US 2013099604 A1 20130425 - YU BYEONGJONG [KR]  
• JP S55166136 U 19801129  
• JP 2000341914 A 20001208 - TOYOTA MOTOR CORP  
• See also references of WO 2019077261A1

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DOCDB simple family (publication)  
**FR 3072517 A1 20190419**; **FR 3072517 B1 20201218**; CN 111316536 A 20200619; EP 3698454 A1 20200826; JP 2020537864 A 20201224; KR 20200073262 A 20200623; US 11967870 B2 20240423; US 2020295641 A1 20200917; WO 2019077261 A1 20190425

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