

Title (en)  
SEGMENT MAGNET AND PERMANENT MAGNET MOTOR COMPRISING SEGMENT MAGNETS

Title (de)  
SEGMENTMAGNET UND PERMANENTMAGNETMOTOR MIT SEGMENTMAGNETEN

Title (fr)  
AIMANT SEGMENTÉ ET MOTEUR À AIMANT PERMANENT MUNI D'UN AIMANT SEGMENTÉ

Publication  
**EP 3513483 A1 20190724 (DE)**

Application  
**EP 17784918 A 20171004**

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Abstract (en)  
[origin: WO2018065455A1] The invention relates to an optimized segment magnet for a permanent magnet motor. By establishing a magnetization profile within the segment magnet in accordance with a continuous cyclic function, optimized operating characteristics for the electric motor can be achieved with a reduced use of material. The cyclic formation of the magnetization direction in the segment magnet can also be combined with shaping in accordance with a further cyclic function, in order to intensify this effect further.

IPC 8 full level  
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See references of WO 2018065455A1

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