

Title (en)  
ELECTRICAL MACHINE

Title (de)  
ELEKTRISCHE MASCHINE

Title (fr)  
MACHINE ÉLECTRIQUE

Publication  
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Application  
**EP 14744450 A 20140605**

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Abstract (en)  
[origin: WO2015018402A2] The invention relates to an electrical machine, in particular an electric motor, comprising a rotor, which has a laminated core comprising stacked laminations (3a) having at least two tangentially extending holes, in each of which at least one permanent magnet (5) is at least largely accommodated, at least one lamination (3a) having at least one elastic arm (6a), which is arranged between the at least two permanent magnets and lies against a permanent magnet (5) and resiliently acts on said permanent magnet substantially in a tangential direction. The problem addressed with the present invention is that of providing an electrical machine for which the assembly and possible disassembly are made easier, the risk of chip formation is reduced, the number of parts is reduced, easy adaptability to different geometries and usage conditions is possible, and an improved efficiency and a higher power density can be achieved. Said problem is solved according to the invention by means of the characterising part of claim 1 and of method claim 19.

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