

Title (en)  
ELECTRIC MACHINE FOR A VEHICLE

Title (de)  
ELEKTRISCHE MASCHINE FÜR EIN FAHRZEUG

Title (fr)  
MACHINE ÉLECTRIQUE POUR VÉHICULE

Publication  
**EP 3607638 A1 20200212 (EN)**

Application  
**EP 18726212 A 20180404**

Priority  
• IN 201741012184 A 20170405  
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Abstract (en)  
[origin: WO2018185667A1] The present subject matter discusses about the electric machine and core saturation sensing setup, and the method of detecting the core saturation. The present subject matter proposes that an auxiliary winding with at least one tooth is wound around at least one of the stator tooth along any one phase of the phases of the machine. The ends of the wire are given to the signal conditioning circuit which filters the signal from noises. The filtered signal is given to an ADC (analog to digital converter) pin of the controller to digitalize the signal value.

IPC 8 full level  
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CPC (source: EP)  
**H02K 11/20** (2016.01); **H02P 1/00** (2013.01); **H02P 1/02** (2013.01); **H02K 3/00** (2013.01); **H02K 7/006** (2013.01); **H02K 11/25** (2016.01)

Citation (search report)  
See references of WO 2018185667A1

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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