

Title (en)  
ROTOR FOR AN ELECTRIC MOTOR PROVIDED WITH SENSORS

Title (de)  
ROTOR FÜR EINEN ELEKTROMOTOR MIT SENSOREN

Title (fr)  
ROTOR POUR MOTEUR ÉLECTRIQUE ÉQUIPÉ DE CAPTEURS

Publication  
**EP 4104276 A1 20221221 (FR)**

Application  
**EP 21707349 A 20210204**

Priority  
• FR 2001433 A 20200213  
• FR 2021050204 W 20210204

Abstract (en)  
[origin: WO2021160954A1] The invention relates to a rotor (10) for an electric motor, comprising: - a rotor shaft (32) mounted so as to be rotatable about an axis (X); - a lamination stack (14) coaxially mounted on the rotor shaft (32), the lamination stack (14) comprising a plurality of internal cavities (15); - a plurality of permanent magnets (16) housed inside the internal cavities (15) of the lamination stack (14); - a front flange (17) and a rear flange (19) coaxially mounted on the rotor shaft (32) and axially arranged on either side of the lamination stack (14); characterised in that at least one of the front and rear flanges (17, 19) is provided with at least one sensor (18).

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**H02K 1/2773** (2013.01 - EP US); **H02K 11/25** (2016.01 - EP US); **H02K 21/14** (2013.01 - US)

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