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HUBLESS WHEEL MOTOR

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Abstract of US2017063196 (A1)

The present invention relates to a drive system for an electric vehicle comprising: a wheel rim, a bearing arrangement, a plurality of rotor elements circumferentially arranged along a circumference coaxial with a circumference of the wheel rim and fixated to the wheel rim adjacent to the bearing arrangement; and a plurality of stator elements circumferentially arranged along a circumference coaxial with the circumference of the rotor elements and spaced apart from the rotor elements, the stator elements are non-rotationally arranged to the non-rotating portion of the bearing arrangement, whereby an air gap in is formed between a stator element and a rotor element, wherein a first distance from the axis of rotation to the bearing arrangement is larger than a second distance from the air gap to the bearing arrangement.

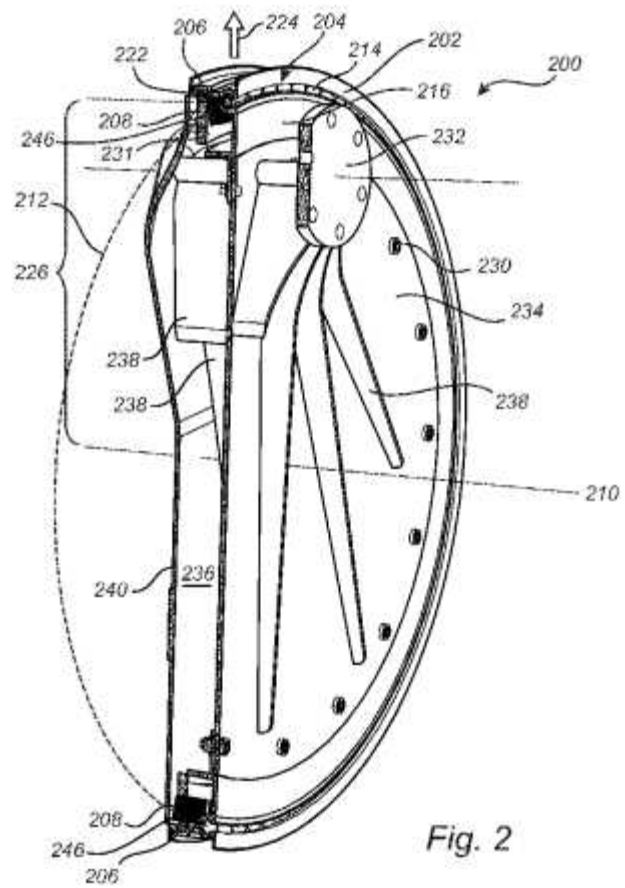


Fig. 2