

Information on Search Strategy - Pilot phase (see OJ 2015, A86)

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2019/063284

TITLE: ELECTRIC VEHICLE POWERTRAIN ASSEMBLY

APPLICANT: RIVIAN IP HOLDINGS, LLC

IPC CLASSIFICATION: B60K7/00, B60K17/354, B60K17/356

EXAMINER: Waldstein, Martin

CONSULTED DATABASES: WPI

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: B60K7/0007, B60K2007/0061, B60K17/354, B60K17/356, B60Y2410/10, B60Y2410/102, B60K2001/003

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A drivetrain system comprising:

an intermediate housing;

a first motor;

a second motor;

each of the motors comprise

a first housing affixed to the first motor and the intermediate housing;

a second housing affixed to the second motor and the intermediate housing;

a first gearset comprising:

a first motor shaft of the first motor;

a first motor gear affixed to the first motor shaft;

a first intermediate shaft;

a first wheel gear affixed to the first intermediate shaft and engaged with the first motor gear;

a first pinion gear affixed to the first intermediate shaft;

a first drive shaft;

a first drive gear affixed to the first drive shaft and engaged with the first pinion gear;

three and only three motor bearings arranged co-linearly and coupled to the first motor shaft; and two intermediate bearings arranged co-linearly and coupled to the intermediate shaft.