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- (54) Title: ELECTRIC POWERTRAIN ASSEMBLY AND METHOD OF INSTALLATION

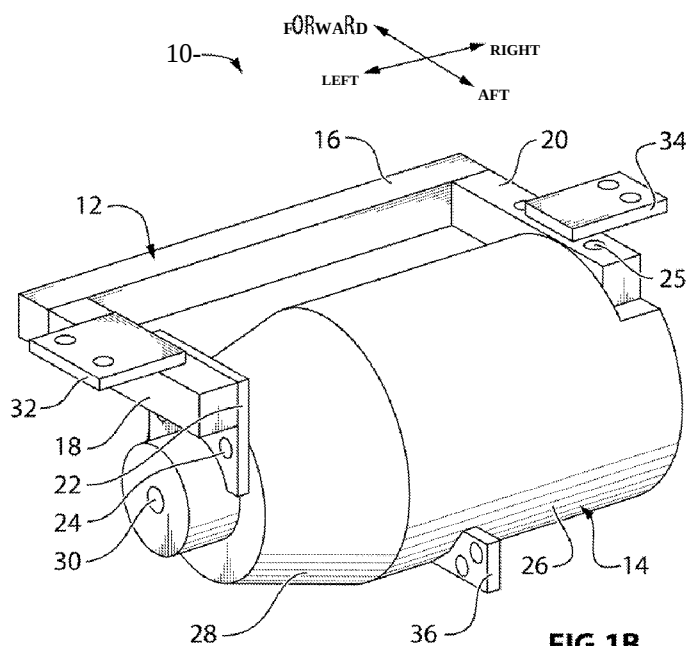


FIG. 18

(57) Abstract: In an aspect, an electric powertrain assembly is provided for a vehicle. A first version of the vehicle is driven by an internal combustion engine having a selected bounding volume and which is supported in the first version of the vehicle at a plurality of first support points. A second version of the vehicle is driven by the electric powertrain assembly. The electric powertrain assembly includes a cradle, an electric motor assembly that includes an electric motor and that is connected to the cradle, a plurality of brackets configured to mount to a plurality of second support points in the second version of the vehicle, which are substantially identical in position to the first support points in the first version of the vehicle. The cradle, the electric motor assembly and the plurality of brackets fit within the selected bounding volume.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B60K 1/00 (2013.01)

USPC - 180/65.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - B60K 1/00, 6/00, 7/00, 8/00 (2013.01)

USPC - 29/all subclasses: 123/all subclasses; 180/54.1, 58, 60, 65.1, 65.21, 65.22, 65.31, 65.51, 65.6, 68.5, 291, 311-13; 280/783

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - B60K 1/00, 6/00, 7/00, 7/0007, 8/00 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, Orbit.com, Google Patents, Google Scholar, ProQuest

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X -- Y	US 201 1/0155489 A1 (WENGER et al) 30 June 2011 (30.06.2011) entire document	1, 2, 4, 9, 10 ----- 5
Y	US 2010/0025131 A1 (GLOCERI et al) 04 February 2010 (04.02.2010) entire document	5
A	US 4,484,648 A (JEPHCOTT) 27 November 1984 (27.11.1984) entire document	1-18
A	US 7,886,861 B2 (NOZAKI et al) 15 February 2011 (15.02.2011) entire document	1-18
A	US 6,397,965 B1 (MCFARLANE et al) 04 June 2002 (04.06.2002) entire document	1-18

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"&" document member of the same patent family

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