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[Continued on next page]

(54) Title: CONTINUOUSLY VARIABLE TORQUE VECTORING AXLE ASSEMBLY

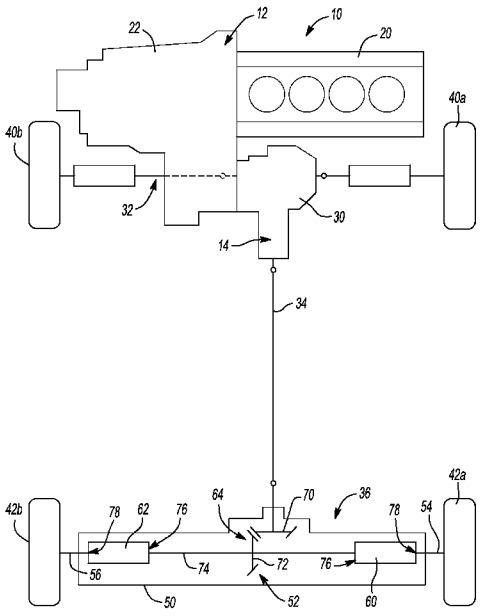


Fig-1

(57) Abstract: A vehicle driveline having an axle assembly with an input pinion, which is configured to receive a rotary input, a input ring gear, which is meshingly engaged with the input pinion, a first output member, a second output member and a power distribution system. The first output member is configured to drive a first vehicle wheel on a first side of a vehicle. The second output member is configured to drive a second vehicle wheel on a second side of the vehicle opposite the first side. The power distribution system is driven by the input ring gear and distributes drive torque between the first and second output members. The power distribution system includes a first continuously variable transmission. A method for operating a vehicle driveline is also provided.

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OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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A. CLASSIFICATION OF SUBJECT MATTER

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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 : B60K5/04, B60K6/04, B60K17/04, B60K17/34, B60K17/344, B60K17/348, B60K17/356, F16H1/36, F16H 3/74, F16D41/06, F16H48/08

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

KOMPASS(KIPO internal) & keywords : distribution, gear, pinion, transmission, input, output, axle

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 04428452 A (Nissan Motor Company, Limited) 31 January 1984 See the abstract, colomns 3-14; Claims 1-8, and Figures 1a-4a.	1-20
Y	US 03851545 A (Gumlich Geert) 03 December 1974 See the abstract, colomns 2-5; Claims 1-3 and Figure 2.	1-20
Y	JP 10-100701 A (MAZDA MOTOR CORP) 21 April 1998 See the abstract, paragraphs 8-43 ; Claims 1-6, and Figure 1.	1-20
A	JP 2005-042846 A (TOCHIGI FUJI SANGYO:KK) 17 February 2005 See the whole document.	1-20
A	JP 02-038142 A (FUJI HEAVY IND LTD) 07 February 1990 See the whole document.	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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