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(54) Title: VEHICLE DUAL DIFFERENTIAL ASSEMBLY WITH DISCONNECT CAPABILITIES

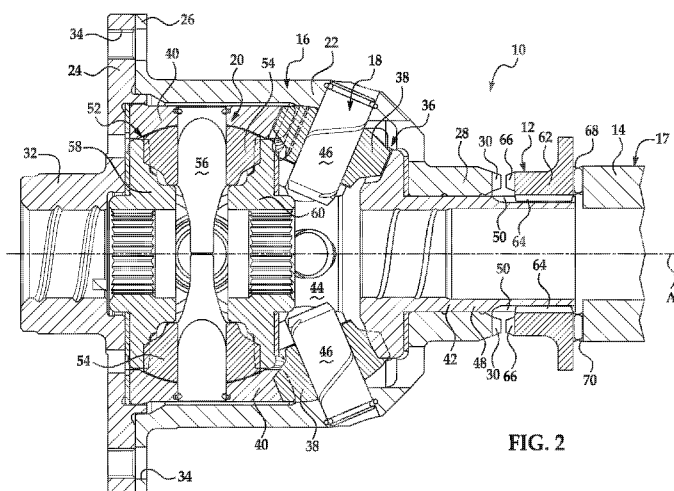


FIG. 2

(57) Abstract: A vehicle dual differential assembly can be equipped in an all-wheel drive (AWD) automotive driveline for performing differential functionalities between front and rear axles, and between a pair of axle sideshafts. The vehicle dual differential assembly includes a housing, a first differential assembly, a second differential assembly, and a disconnect device. The first differential assembly is located in the housing and has a first differential gear set. The second differential assembly is located in the housing and has a second differential gear set. The disconnect device is actuated between a connected state and a disconnected state.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2015/034693

A. CLASSIFICATION OF SUBJECT MATTER

INV. B60K17/346 B60K17/16 B60K23/08
ADD.

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)

B60K F16H

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

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

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 476 953 A (HIRAIWA KAZUYOSHI [JP]) 16 October 1984 (1984-10-16) column 9, line 55 - column 10, line 10; figures 1,2	1-20
A	US 4 802 383 A (KATAYAMA NOBUAKI [JP] ET AL) 7 February 1989 (1989-02-07) the whole document	1-20
A	US 2013/337951 A1 (HASEWEND WOLFRAM [AT] ET AL) 19 December 2013 (2013-12-19) abstract; figures	13,19
A	US 4 907 473 A (FUJITANI YUUKI [JP] ET AL) 13 March 1990 (1990-03-13) the whole document	6,9,10, 19
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See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2012/021864 A1 (ZIECH JAMES F [US] ET AL) 26 January 2012 (2012-01-26) abstract; figures -----	1-20

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