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(54) Title: ANGLED TORQUE TRANSMISSION SYSTEM AND METHOD

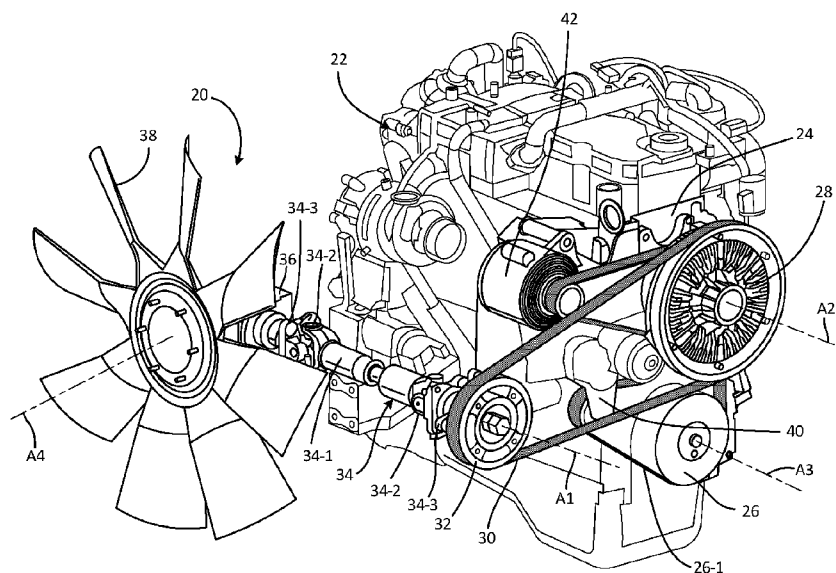


Fig. 1

(57) Abstract: A torque transmission system (20) for transmitting torque from a prime mover (22) along a drivetrain includes a clutch device (28) configured to accept a torque input from the prime mover, an intermediate pulley (32), a belt (30) operatively engaged between the clutch device and the intermediate pulley, an angle gearbox (36) configured to change a spatial orientation of torque transmitted between an input and an output of the angle gearbox, a driveshaft (34) operably engaged between the intermediate pulley and the angle gearbox, and an output device (38) configured to accept a torque output from the angle gearbox. The clutch device is located upstream from the intermediate pulley and the angle gearbox along the drivetrain.



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PCT/US2016/032391**A. CLASSIFICATION OF SUBJECT MATTER****F02B 67/06(2006.01)i, F01P 7/08(2006.01)i, F16H 55/36(2006.01)i**

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)

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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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: internal combustion engine, cooling system, transmission, torque, viscous clutch, pulley, input, output, gearbox, driveshaft, drivetrain, fan

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 10-1204942 B1 (SAMKUN CENTURY CO., LTD.) 26 November 2012 See paragraphs [0002], [0007], [0022]-[0076] and figures 1-2, 11.	1-20
Y	US 2014-0209427 A1 (KIT MASTERS INC.) 31 July 2014 See paragraphs [0018]-[0029] and figures 1-2.	1-20
Y	US 8887888 B2 (HENNESSY, DAVID R. et al.) 18 November 2014 See column 3, line 9 - column 4, line 12 and figure 2.	2,4,15,17
A	US 2014-0314546 A1 (UNITED TECHNOLOGIES CORPORATION) 23 October 2014 See paragraphs [0038]-[0048] and figures 1-5.	1-20
A	US 2014-0048962 A1 (ROLLINS et al.) 20 February 2014 See paragraphs [0024]-[0058] and figures 2A-5.	1-20



Further documents are listed in the continuation of Box C.



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Information on patent family members

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