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(54) Title: TWO-SPEED CLUTCH AND RETRO-FIT KIT

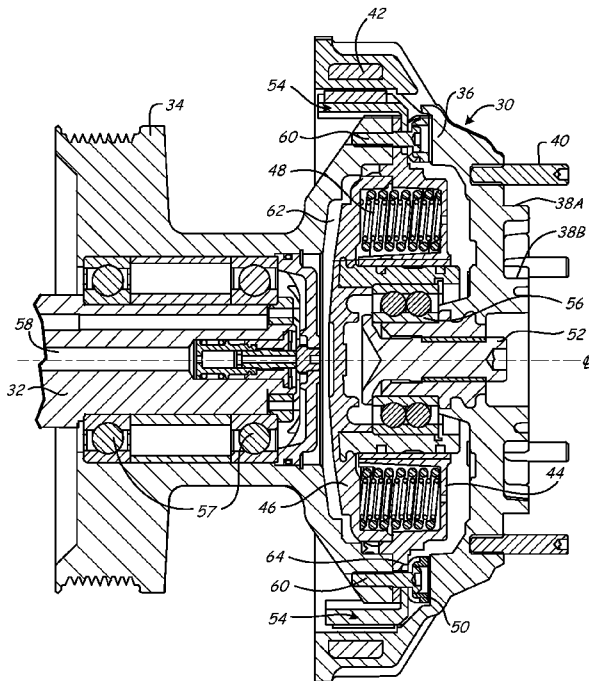


Fig. 1

(57) Abstract: A magnet holder assembly for a clutch includes a magnet holder and first and second permanent magnets. The magnet holder includes a body portion, a first groove defined in the body portion, a second groove defined in the body portion adjacent to the first groove, and a flange extending from the body portion opposite the first groove and extending in a different direction than the first groove. The flange has a connection feature for securing the magnet holder to a rotatable component of the clutch. The first permanent magnet is radially retained by the first groove in the body portion, and the first permanent magnet has a beveled edge configured to mate with the first groove. The second permanent magnet is radially retained by the second groove, and the first permanent magnet and the second permanent magnet have magnetic orientations arranged substantially opposite one another.

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6838796 B1 (CHRIS A. NELSON) 04 January 2005 See column 4, line 12 - column 12, line 6 and figures 1-4.	1-27
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A	US 5145038 A1 (KUWAHARA; TOHRU) 08 September 1992	1-27
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A	JP 2000-358358 A (ISUZU MOTORS LTD) 26 December 2000	1-27

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