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(54) **Improved magnetic drive pump**

(57) An improved magnetic drive pump especially usable for moving and circulating cooling fluids in internal combustion engines, comprising an impeller (12) keyed at the bottom end of a shaped pin (14, 14A, 14B) turnably arranged relative to an annular body (18), a "cup" body (30, 30A, 30B) constrained to the top end of said shaped pin (14, 14A, 14B), a partition (40) attached by a threaded connection or other known type to a container body (28) obtained by fusion of aluminium or other suitable material, a further "cup" body (52) keyed to the bottom end of a shaft (48) on the top end whereof a pulley (46) is keyed, said pump further comprising means for supporting the rotation of the impeller (12), magnetic means respectively arranged on the outer surface of the "cup" body (30, 30A, 30B) and on the inner surface of the further "cup" body (52) and separated by the partition (40) and means for compensating or reducing the radial and axial mechanical stresses on the partition (40).

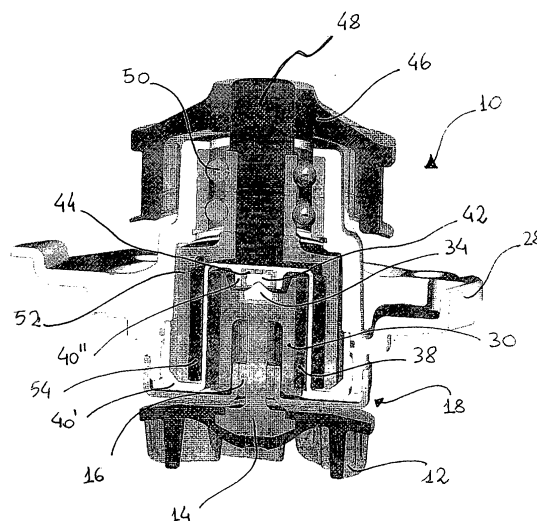


FIG. 1



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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F04D H02K
3	Place of search Munich	Date of completion of the search 14 January 2008	Examiner de Martino, Marcello
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Place of search Munich		Date of completion of the search 14 January 2008	Examiner de Martino, Marcello
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