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(71) Applicant: **LEYBOLD GMBH** [DE/DE]; Bonner Strasse
498, 50968 Cologne (DE).

(72) Inventor: **HOESGEN, Christian**; Leybold GmbH, Bon-
ner Str. 498, 50968 Cologne (DE).

(74) Agent: **BOOTH, Andrew**; Edwards Limited, Innovation
Drive, Burgess Hill RH15 9TW (GB).

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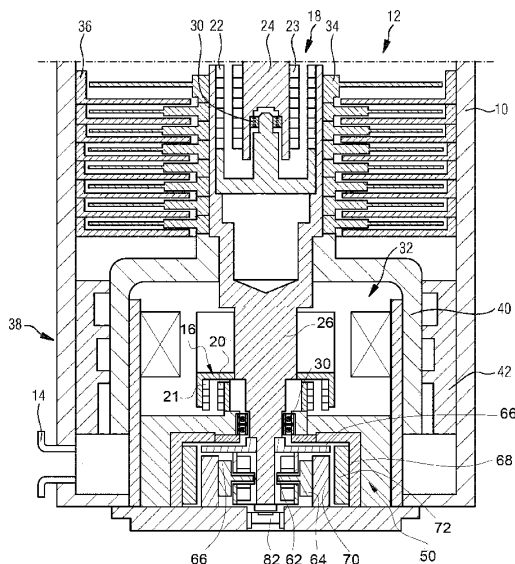


Fig. 1

(57) Abstract: Magnetic assembly for a rotor preferably of a mol-
ecular drag vacuum pump, comprising a first rotated magnet to be
connected to the rotor and rotated together with the rotor, a static
damper element arranged axially next to the first rotated magnet to
induce eddy currents into the static damper element, a rotated yoke
arranged axially next to the first rotated magnet extending radially, a
static coil configured to generate a magnetic field, and a static yoke
connected to the static coil and arranged directly next to the rotated
yoke to induce an axial magnetic force into the rotated yoke.

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