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(71) Applicant (for all designated States except US): **GENERAL ELECTRIC COMPANY** [US/US]; 1 River Road, Schenectady, NY 12345 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **QU, Ronghai** [CN/US]; 7 West Wind Way, Clifton Park, NY 12065 (US). **KOTHNUR, Vasanth, Kumar, Srinivasa** [IN/US]; 6 Madison Way, Clifton Park, NY 12065 (US). **HUANG, Xianghui** [CN/US]; 1455 Dorwaldt Boulevard, B6A4, Schenectady, NY 12308 (US).

(74) Agents: **KRAMER, John, A.** et al.; General Electric Company, Global Patent Operation, PO Box 861, 2 Corporate Drive, Suite 648, Shelton, CT 06484 (US).

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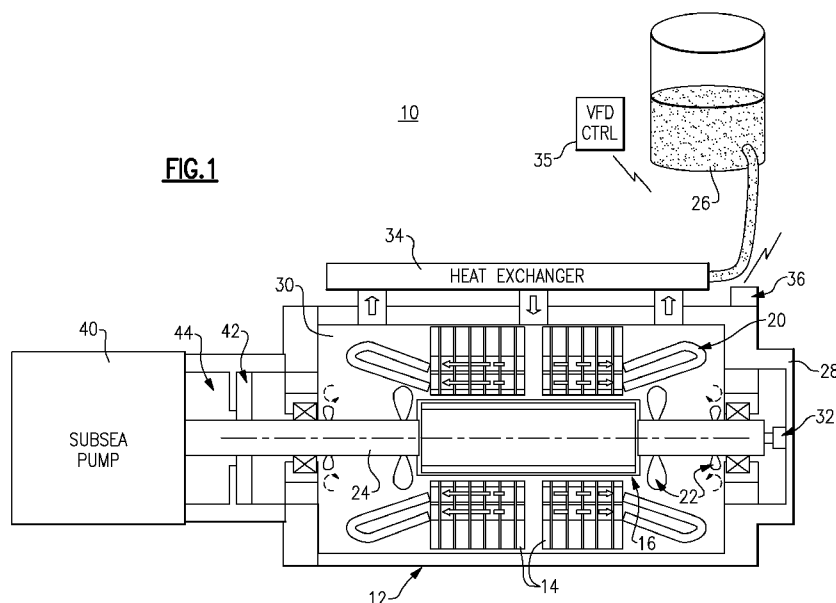
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(54) Title: PERMANENT MAGNET MOTOR FOR SUBSEA PUMP DRIVE



(57) Abstract: A subsea pump drive (10) employs a permanent magnet (PM) motor (12) to drive a subsea pump (40). The PM motor rotor in one embodiment is cased with a non-magnetic material such as inconel that can provide a desired level of corrosion protection. The PM motor provides a subsea pump drive that is smaller and more efficient, having a high power factor than a subsea pump drive utilizing a conventional induction motor. The PM motor subsea pump drive eliminates the necessity for a top-side storage tank and associated fluid transfer lines when the motor rotor is cooled with processed fluid.