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(54) **SEALING SYSTEM FOR PROTECTION OF
AN ELECTRICAL MACHINE HAVING
ROTATING COMPONENTS**

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(57) **ABSTRACT**

The present invention relates to a sealing system for protection of an electrical machine. The sealing system comprises a seal housing (116, 306) mounted on a cannulated shaft (108) of a rotor of the electrical machine. The seal housing (116, 306) holds one or more seal members (114, 302). The one or more seal members (114, 302) includes a lip for creating a sealing joint such that a proximal end of the lip of the one or more seal members (114) may be in contact with a stator of the electrical machine. A distal end of the lip of each of the one or more seal members (114, 302) may be enclosed in the seal housing (116, 306). The seal housing (116, 306) may rotate with rotation of the rotor, thereby preventing entry of any fluid into the electrical machine during operation of the electrical machine.

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