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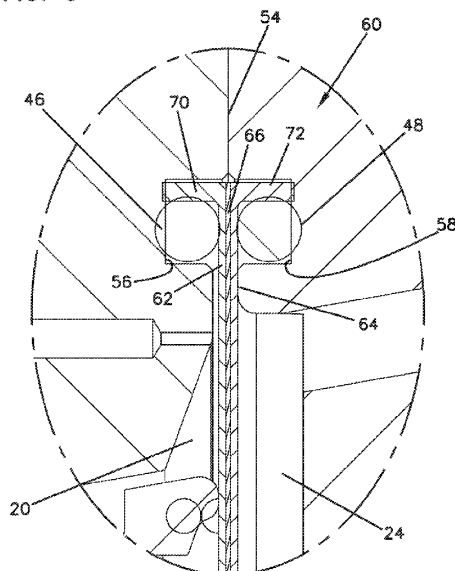
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(54) Title: DIAPHRAGM WITH EDGE SEAL

FIG. 9



(57) Abstract: A diaphragm (18) includes a disk-shaped center planar portion (40) and a first lip (42) and a second lip (44) on the outermost edge of the disk shaped portion (40) and extending transversely to the planar disk portion (40). The first lip (42) is on a first side of the diaphragm (18) and the second lip (44) is on an opposite side of the diaphragm (18). A mounting portion (38) extends outward from the center of the face of the planar portion (40) on the first side of the diaphragm (18). For metering pump applications pumping harsh fluids, the diaphragm (18) is typically made from a fluoropolymer and in particular may be made from polytetrafluoroethylene (PTFE).

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