

HERMETIC MOTOR DRIVEN SCROLL APPARATUS
HAVING IMPROVED LUBRICATING MECHANISM
ABSTRACT OF THE DISCLOSURE

A lubricating mechanism for a motor driven scroll apparatus has the compression and drive mechanisms within a hermetically sealed housing. The drive mechanism comprises a drive shaft having a pin member extending from an inner end thereof and a motor for rotating the drive shaft. The pin member is operatively connected to an orbiting scroll of the compression mechanism through a bushing. The drive shaft includes a first axial bore extending from an open end adjacent a fluid inlet port and terminating adjacent the inner end of the drive shaft. Radial bores are provided at the terminal end of the first axial bore. A second axial bore extends from the terminal end of the drive shaft. The longitudinal axis of the first axial bore is substantially aligned with the second axial bore. The bushing includes a passage extending substantially straight therethrough and substantially aligned with the open end of the second axial bore. In another embodiment, the bushing further includes a radial straight portion radially extending from a terminal end of the axial straight portion and is open at an outer peripheral surface of the bushing.

Figure 2

This Sheet Has Been Replaced

