

Arc Suppressing Cluster Assembly

ABSTRACT OF THE DISCLOSURE

Within a hermetically-sealed compressor [10], a cluster assembly provides the connection to a three-prong header so that power can be applied to the motor [12] within the compressor [10]. The walls of the compressor [10] are closed as completely as possible except for openings for leads extending from the cluster block and for pins [15] from the header [16] projecting into the cluster block. Each pin [15] has a ceramic collar [21] that is surrounded by a skirt extending from the cluster block surface. The collar and skirt configuration more than doubles the length of the path that an arc must follow if there is arcing between pins.

Fig. 2.

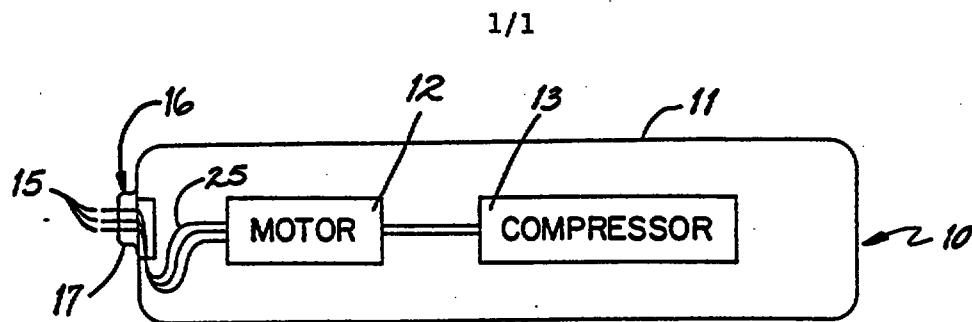


FIG. 1

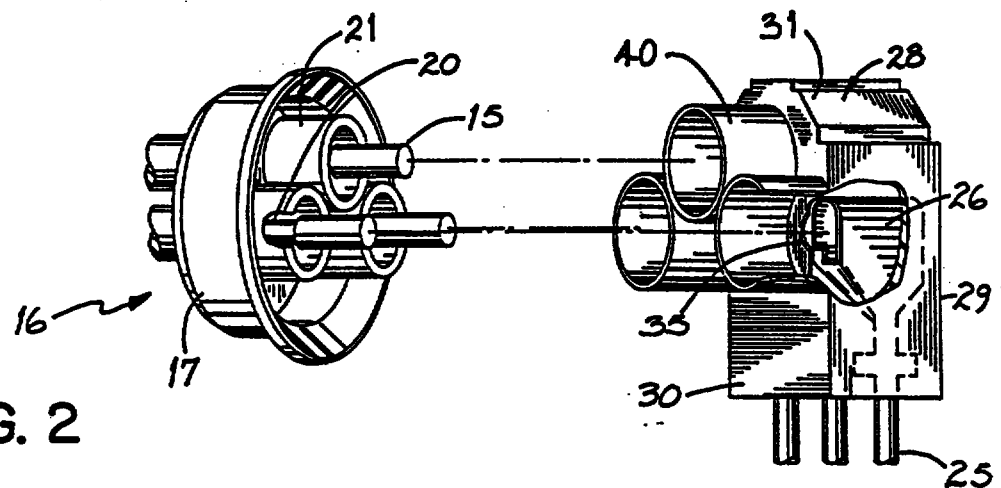


FIG. 2

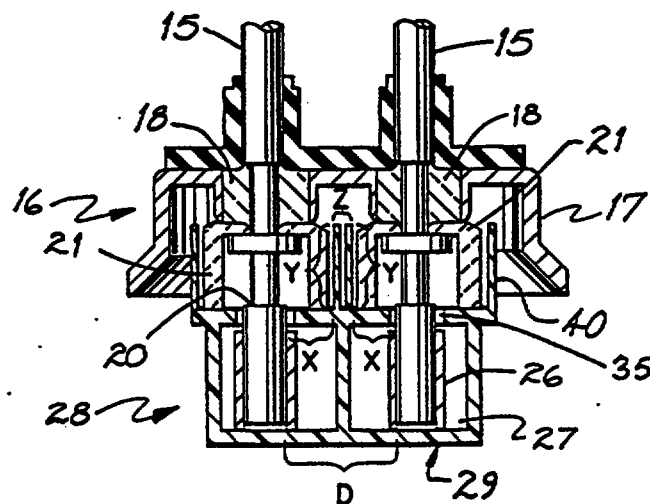


FIG. 3