

ABSTRACT OF THE DISCLOSURE

A flashless catheter beveling process in which a beveling catheter mold has an internal cavity which defines the external beveled shape of the catheter and also has a circular hole centrally located therein. In the beveling mold, one end of a distal endmost interior bevel terminates at the surface of the beveling mold, with the distal endmost bevel and the surface forming an angle at the edge of the circular hole. A cylindrical support pin is inserted into a hollow extruded unbeveled catheter tube. The beveling mold is heated and positioned relative to and around the extruded catheter tube with the cylindrical support pin positioned in the circular hole of the mold. This arrangement melts the extruded catheter tube to allow it to flow within and assume the shape defined by the internal cavity of the beveling mold, and the molten catheter material flashes through a narrow annular gap defined between the cylindrical support pin and the circular hole. The cylindrical support pin is then withdrawn from the circular hole in the beveling mold, and one end of a cone pin is positioned in contact with the circular hole. The cone pin contacts the circular edge formed by the surface of the mold and the distal endmost bevel, and pinches off the flash which has been extruded through the annular gap. The molded catheter is then removed from the catheter mold, and the cylindrical support pin is withdrawn from the finished and molded catheter.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN
REPLACED