TITLE OF INVENTION: OVER-THE-NEEDLE CATHETER ASSEMBLIES AND RELATED MANUFACTURING METHOD

ABSTRACT

Needle devices (100) having a component (124) that provides the function of fixing a valve (120) in a standard diameter sized catheter hub(102), the valve (120) and/or the component (124) provide or provides a proximally directed axial force for returning the valve opener (122) from a distal position within the catheter hub (102) to a proximal position within the catheter hub (102) when a male Luer (200) is disconnected from the catheter hub(102). Various components can be located inside a single hub body catheter hub (102) that can restrict fluid flow, allow actuation to permit fluid flow, prevent needlestick injuries, and combinations thereof.

Figure 5