SAFETY IV CATHETER WITH V-CLIP INTERLOCK AND NEEDLE TIP CAPTURE

Abstract

A catheter assembly (10) comprises a catheter (22), a needle (12) having a sharp distal tip, a catheter hub (14) housing the catheter (22), the catheter hub (14) having a collar (34) including a notch (36), a needle shield (20) connected to the catheter hub (14) when the needle (12) is in a first position, and a clip (40) disposed in the needle shield (20) that cooperates with the needle (12), wherein the clip (40) engages the catheter hub (14) in the first position of the needle (12), and the clip (40) disengages the catheter hub (14) via the notch (36) when the needle (12) is retracted to a second position to cover at least a portion of the needle (12). The clip (40) is mounted in the outer housing (38) of the needle shield (20) via a spade (66) having an outer wall (70) exposed to the outside of the needle shield (20), in order to reduce the overall width of the needle shield (20).

FIG. 51