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Hochman

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- (54) **SAFETY IV CATHETER INFUSION DEVICE**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (65) **Prior Publication Data**
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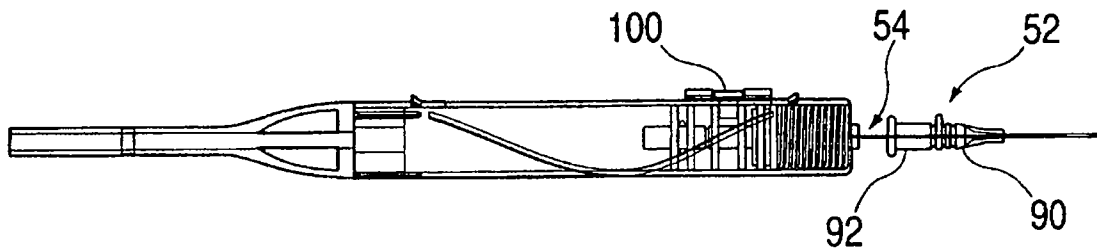
- (51) **Int. Cl.**⁷ **A61M 5/178**; A61M 5/00; A61M 5/32
- (52) **U.S. Cl.** **604/164.08**; 604/110; 604/164.12; 604/188; 604/198
- (58) **Field of Search** 604/110, 164.01, 604/164.07, 164.08, 164.12, 165.01, 192, 194, 195, 196, 198, 199, 188; 128/919

(57) **ABSTRACT**

A device for delivering an IV catheter to an IV infusion site is disclosed. The device includes a cylindrical housing adapted to fit into the hand of the clinician. A catheter assembly is disposed in the housing and can be advanced to an extended position and retracted. The catheter assembly includes a needle adapted to be inserted into the vein and the catheter is mounted on the needle to allow the catheter to be removed at will. The catheter assembly is rotated as the needle is inserted into the vein. Preferably the catheter assembly is rotated during the insertion of the needle and catheter. After the needle and catheter are inserted into the vein, the needle is retracted into the housing leaving the catheter in place. The housing and the needle can now be discarded.

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18 Claims, 3 Drawing Sheets



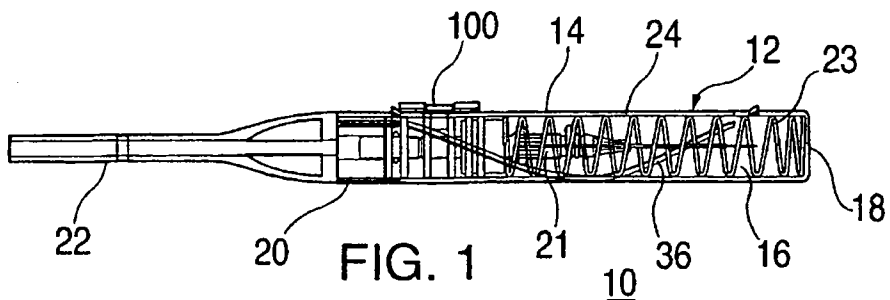


FIG. 1

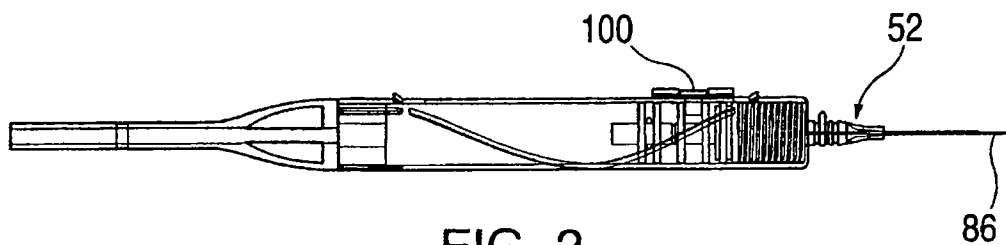


FIG. 2

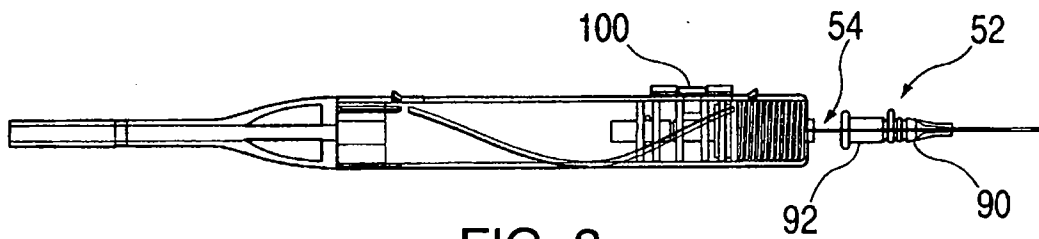


FIG. 3

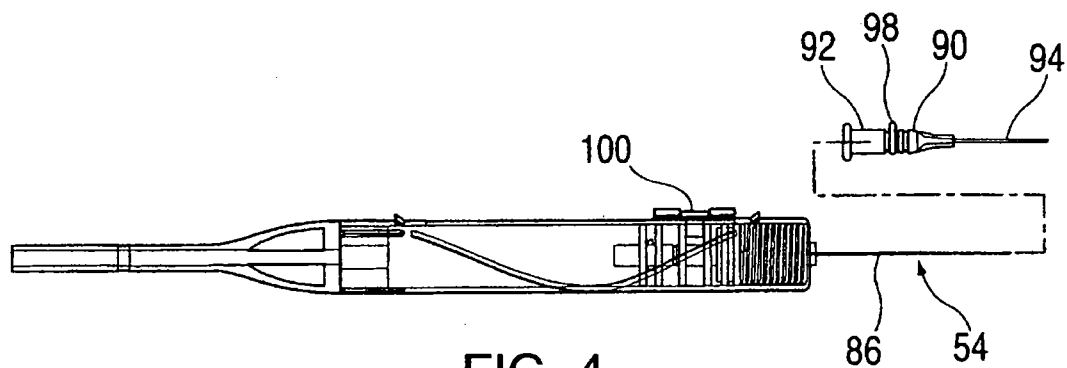


FIG. 4

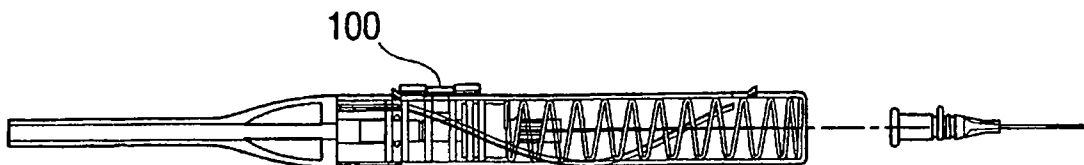


FIG. 5

