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(54) **Title:** IMPROVED COUPLING BETWEEN A TELESCOPING NEEDLE SHIELD AND A CATHETER ADAPTER

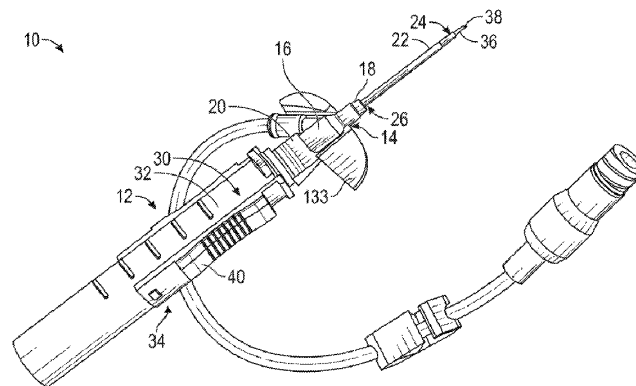


FIG. 1A

(57) **Abstract:** A catheter system may include a catheter adapter (16) and a needle shield device (12) coupled to the catheter adapter. The needle shield device may include a needle housing (30) and a needle assembly (34) slideably coupled to the needle housing. The needle housing may include an elongated body (32) and a nose portion (62) coupled to the elongated body. The elongated body may include a distal end, a proximal end, and a slot (58) disposed between the distal end and the proximal end of the elongated body. The needle assembly may include a needle grip (40) and a needle hub (42) having a protuberance (52) coupled to the needle grip and slideably fit within the slot. To facilitate securement between the catheter adapter and the needle shield device, a flexible arm (108) of the needle shield device may couple to the catheter adapter and/or multiple protrusions of the nose portion may contact an internal wall of the catheter adapter.

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