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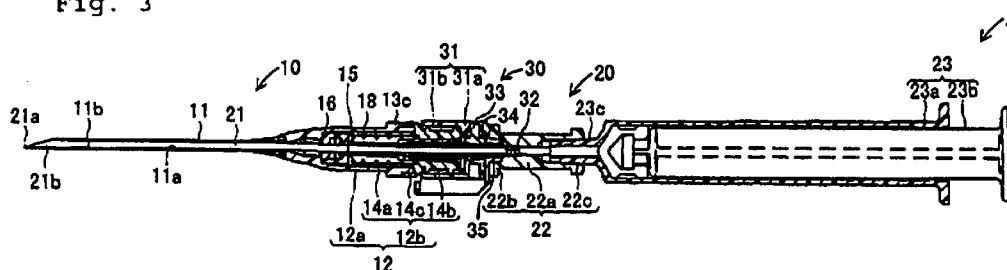
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(54) Title: NEEDLE TIP PROTECTOR

Fig. 3



(57) Abstract: The present disclosure is directed to an indwelling needle set which includes a needle tip protector device which adds a minimal length to the needle set to maintain operability of the device. To accomplish this, a needle tip protector device is provided for releasable attachment to the needle set. The protector device includes a body and a protecting sleeve which is movable through an opening in the body from an advanced position located substantially within the body to a retracted position extending rearwardly from the body. The protecting sleeve is dimensioned to slidably receive a puncturing needle which includes an increased diameter position which cannot be withdrawn through the protecting sleeve.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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USPC - 604/110

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2003-199822 A (FUNAMURA et al) 15 July 2003 (15.07.2003) entire document	1-11, 14-24
Y		12-13
Y	US 7,008,404 B2 (NAKAJIMA) 07 March 2006 (07.03.2006) entire document	12-13

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