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61/441,265 9 February 2011 (09.02.2011) US(71) Applicant (for all designated States except US): **Becton, Dickinson and Company** [US/US]; Alan W. Fiedler, MC110, 1 Becton Drive, Franklin Lakes, New Jersey 07417 (US).

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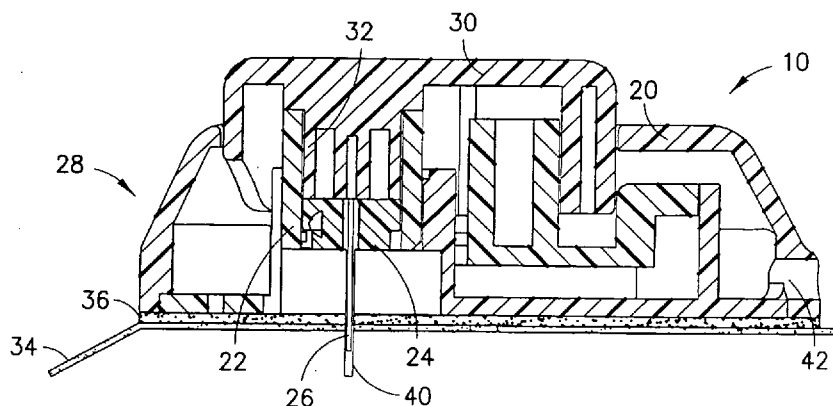
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[Continued on next page]

(54) Title: SUBCUTANEOUS INFUSION DEVICE

**FIG. 3**

(57) Abstract: An infusion system having an integrated inserter and infusion set (10) for containing and placing a flexible catheter (40), and a retractable introducer needle (26), wherein the catheter (40) is isolated from movement after placement. The integrated inserter and infusion set (10) includes a hub (20), having a user push button (30) to activate the device for catheter (40) placement. An adhesive liner (34) can be provided to cover an adhesive layer (36), such as pressure sensitive adhesive (PSA), on the bottom of the device (10).



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 12/00069

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61M 39/02 (2012.01)

USPC - 604/890.1

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)

IPC: A61M 39/02 (2012.01)

USPC: 604/890.1

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

USPC: A61M 39/04, 39/02 (2012.01)

IPC: 604/19, 48, 93.01, 131, 132, 134, 136, 139, 156, 157, 174, 177, 244, 500, 890.1, 891.1

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

PubWEST (PGPB,USPT,EPAB,JPAB), Google (Patents, Scholar); Keywords: infus\$4, catheter, cannula, needle, inserter, introducer, septum, push\$4, press\$4, slid\$4, button, spring, latch\$4, catch, viewing, window, aperture, flex\$4, deform\$4, semicircle, circle, semicircular\$4, circular\$4, curv\$4, path, deploy\$6, track, rotat\$4, cam, ring, hub

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009/0198215 A1 (Chong et al.) 06 August 2009 (06.08.2009) para [0129]-[0146]; Fig. 14-16	1-3, 5-7, 14-19, 28, 32, 33
----- Y		4, 8-13, 20-27, 29-31
Y	US 2007/0219496 A1 (Kamen et al.) 20 September 2007 (20.09.2007) para [0359]	4
Y	US 3,918,355 A (Weber et al.) 16 April 1975 (16.04.1975) col 8, ln 29-33; Fig. 7	8-11, 29-31
Y	US 2006/0142698 A1 (Ethelfeld) 29 June 2006 (29.06.2006) para [0079], [0080]; Fig. 10A-10D	12, 13, 20-23, 31
Y	US 2010/0286714 A1 (Gyrn et al.) 11 November 2010 (11.11.2010) para [0069]; Fig. 3	24-27, 31

☐ Further documents are listed in the continuation of Box C.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

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