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(54) Title: SYSTEMS AND METHODS FOR TRANSFER OF LIQUID SAMPLES

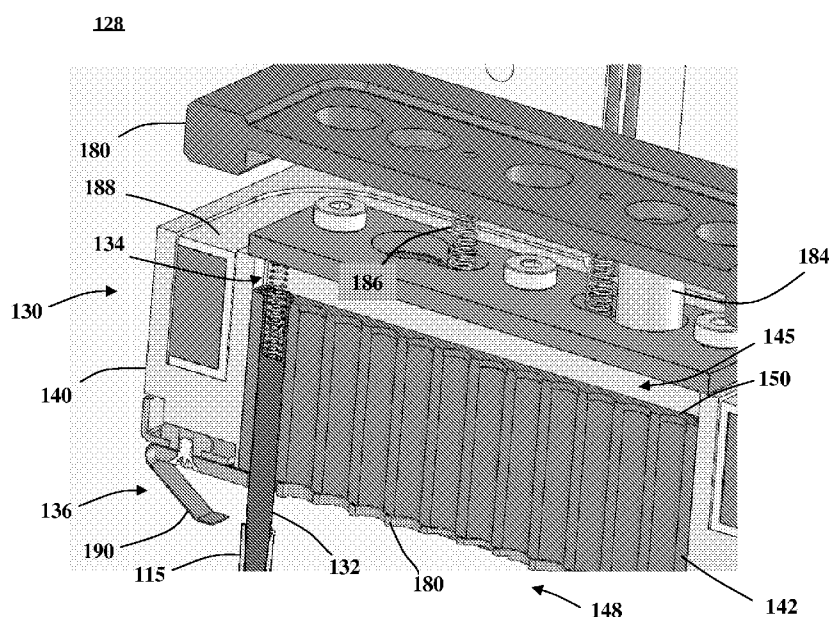


FIG. 8

(57) Abstract: A system for preparing biological sample contains a body including a proximal side and a distal side, a plurality of mandrels, a plurality of resilient elements, a plurality of fluid dispensers, and one or more samples. The mandrels are moveably positioned within the body, where each resilient element engages a respective one of the mandrels. Each of the fluid dispensers is configured to engage a distal end of a corresponding one of the mandrels. Each sample comprises a solution containing one or more nucleic acid sequences contained within at least one of the fluid dispensers.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/042176**A. CLASSIFICATION OF SUBJECT MATTER****GOIN 35/10(2006. 01)i, GOIN 33/48(2006.01)1, BOIL 3/02(2006.01)1, C12Q 1/68(2006.01)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)

GOIN 35/10; BOIL 3/02; GOIN 15/06; C12N 5/00; G01N 35/00; G01N 27/26; G01N 27/447

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: sample, transfer, loading, fluid, dispenser, holder, proximal, distal, and mandrel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X A	US 2003-0215360 A1 (TREVOR RUDDOCK) 20 November 2003 See abstract; paragraphs 1-10, 20, 75-76; claims 1, 9, 15; figs. 1-3.	1-2, 56, 67-73 3-55, 57-66, 74-79
A	US 2007-0053797 A1 (KATSUAKI MURAISHI et al.) 08 March 2007 See abstract; paragraph 55; claim 1; figs. 3, 5.	1-79
A	US 2006-0105453 A1 (COLIN J.H. BRENNAN et al.) 18 May 2006 See abstract; paragraph 2; claim 1; figs. 3, 15.	1-79
A	US 06132582 A (HOWARD GREGG KING et al.) 17 October 2000 See abstract; claims 1-2; fig. 1.	1-79
A	US 2007-0196238 A1 (COLIN KENNEDY et al.) 23 August 2007 See abstract; claims 1, 3-5; fig. 1.	1-79



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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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

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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