

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
28 December 2017 (28.12.2017)



(10) International Publication Number
WO 2017/221155 A1

(51) International Patent Classification:

G01N 35/00 (2006.01) *B01L 1/04* (2006.01)
B01L 1/02 (2006.01) *G01N 35/10* (2006.01)

(21) International Application Number:

PCT/IB2017/053674

(22) International Filing Date:

20 June 2017 (20.06.2017)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/352,468 20 June 2016 (20.06.2016) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: AUTOMATED CELL PROCESSING SYSTEMS AND METHODS

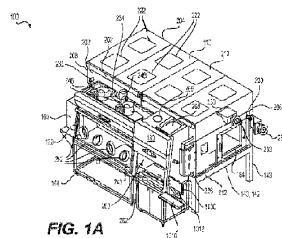


FIG. 1A

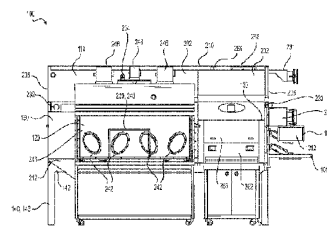


FIG. 1B

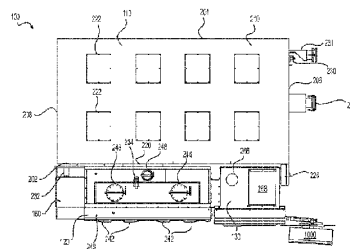


FIG. 1C

(57) Abstract: There are provided systems and methods for automated cell processing of biological samples, such as cells for use in cell therapy and regenerative medicine. Systems for automated processing of batches derived from biological samples comprise: a closed and sterile enclosure; a plurality of reagent containers; at least one reagent dispenser; a quality control module for analyzing at least one characteristic of a batch; a harvesting module; a robotic module; and a control unit (CU) communicatively coupled to the at least one reagent dispenser, the quality control module, the harvesting module and the robotic module for controlling the automatic processing of batches. The automatic processing may be executable without handling by a human operator. The system may be configured to automatically process the plurality of batches without cross-contamination between batches, e.g., under GMP conditions.

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(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*