

(43) International Publication Date
23 September 2010 (23.09.2010)(10) International Publication Number
WO 2010/106434 A1

(51) International Patent Classification:

B01L 3/00 (2006.01) **B03C 5/00** (2006.01)
G01N 35/00 (2006.01) **B03C 5/02** (2006.01)
F16K 99/00 (2006.01)

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(21) International Application Number:

PCT/IB2010/000615

(22) International Filing Date:

17 March 2010 (17.03.2010)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

BO2009A 000152 17 March 2009 (17.03.2009) IT
 BO2009A 000153 17 March 2009 (17.03.2009) IT

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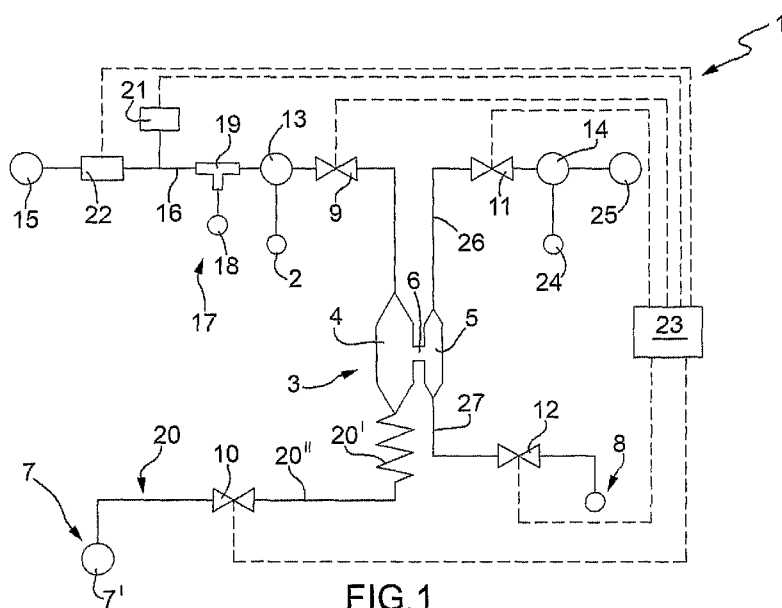
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, 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.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: MICROFLUIDIC DEVICE FOR ISOLATION OF CELLS



(57) Abstract: A microfluidic system (1) for the isolation of cells (C1) of at least one given type from a sample; the system (1) comprises a separation unit (3), for transferring at least part of the cells (C1) of the given type from a main chamber (4) to a recovery chamber (5) in a substantially selective way with respect to further cells (C2) of the sample; two valves (9, 10) are set upstream and downstream of the main chamber (4); two valves (11, 12) are set upstream and downstream of the recovery chamber (5); a control assembly (23) is designed to govern the aforementioned valves (9, 10, 11, 12); the system (1) proposed enables isolation of the cells with a high degree of reproducibility and precision.



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))