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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, 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,

[Continued on next page]

(54) Title: NON-BLOCKING FILTRATION SYSTEM

(57) Abstract: A non-blocking filtration system wherein the suspension filtered continuously scrubs the filter, keeping it free of deposits of solid deposits while the filtrate is removed in a variety of biological and chemical applications, substantially reducing the cost of unit operations.

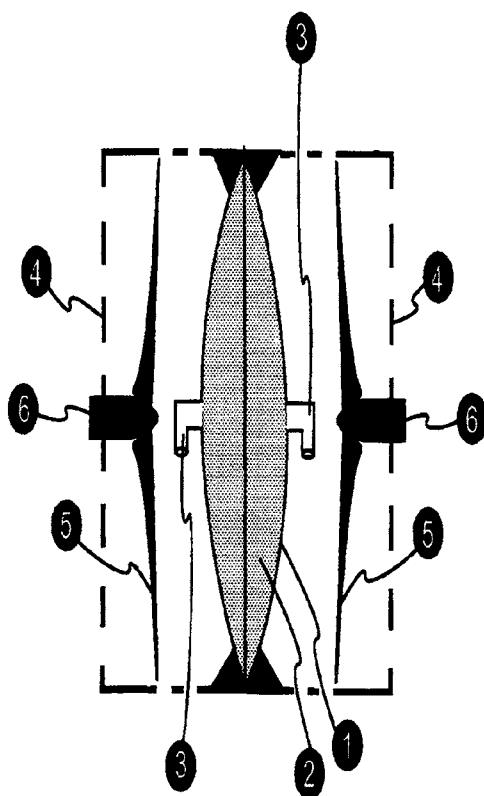


Figure 1





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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B01D 24/46 (2013.01)

USPC - 210/791

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(8) - B01D 24/46 (2013.01)

USPC - 210/791

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 210/406,111;435/283.1

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

PatBase, PubMed, Google Patents, Google Scholar ;

pore, porous, disk, disc, circular, turbine, rotator, propeller, impeller, agitator, filter, filtration

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,457,251 A (YAMASHITA et al.) 10 October 1995 (10.10.1995) entire document	1-25
A	US 2011/0220586 A1 (LEVITT) 15 September 2011 (15.09.2011) entire document	1-25
A	WO 2006/076461 A2 (LAKSHMINARAYANAN) 20 July 2006 (20.07.2006) entire document	1-25

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

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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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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