

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063872 A3

(51) International Patent Classification⁷: **B01J 8/00**,
10/00, 12/00, G01N 31/00

(21) International Application Number:
PCT/US2004/000236

(22) International Filing Date: 7 January 2004 (07.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/339,229 9 January 2003 (09.01.2003) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:

13 January 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: MODULAR REACTOR SYSTEM

(57) Abstract: A modular reactor system comprises a backplane connected to a computer and a thermal control unit. The backplane includes a plurality of seats for releasably holding a plurality of modules. Each module holds a reactor vessel that may be used to conduct experiments. A plurality of laboratory instruments, such as motors, switches, sensors and pumps are included within the backplane and on the reactor modules. These laboratory instruments are utilized to perform work on the contents of the reactor vessels when the modules holding the reactor vessels are positioned in the backplane. A computer is connected to the backplane and controls the laboratory instruments within the backplane and on the reactor modules positioned within the backplane. A thermal control unit provides a thermal control fluid that is delivered to the reactors in the reactor modules when the modules are properly seated in the backplane.




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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/00236

A. CLASSIFICATION OF SUBJECT MATTER		
IPC(7) : B01J 8/00, 10/00, 12/00; G01N 31/00.		
US CL : 422/105, 129, 130, 188, 50, 62, 99.		
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) U.S. : 422/105, 129, 130, 188, 50, 62, 99.		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPAT; USPGPUB; DERWENT; EPO; JPO		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/62919 A1 (SCHWESINGER et al) 26 October 2000 (26.10.2000); FIG. 1, Abstract, claims.	1-3, 5-7, 9, 10, 32-35
X	US 6,306,658 B1 (TURNER et al) 23 October 2001 (23.10.2001); FIG. 2; column 8, lines 8-64.	1-3, 5, 7-11, 32-35
A	US 5,985,214 A (STYLLI et al) 16 November 1999 (16.11.1999); column 9, line 36 to column 12, line 3.	1-39
A	US 5,333,675 A (MULLIS et al) 02 August 1994 (02.08.1994).	1-39
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
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Date of the actual completion of the international search		Date of mailing of the international search report
01 November 2004 (01.11.2004)		05 NOV 2004
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Jennifer A. Leung  Telephone No. (571) 272-1449