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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044228 A3

(51) International Patent Classification:
C12Q 1/00 (2006.01) *G01N 33/53* (2006.01)
C12Q 1/70 (2006.01) *G01N 33/573* (2006.01)

(21) International Application Number:
PCT/US2003/036465

(22) International Filing Date:
13 November 2003 (13.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/425,981 13 November 2002 (13.11.2002) US

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/425,981 (CON)
Filed on 13 November 2002 (13.11.2002)

(71) Applicant *(for all designated States except US)*: **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **YAGI, Yoshihiko** [US/US]; 6112 Old Log Trail, Kalamazoo, MI 49009 (US). **SHEETS, Michael, P.** [US/US]; 842 Juniper Drive, Somerset, WI 54025 (US). **WELLS, Peter, A.** [US/US]; 5721 Caminito Empresa, La Jolla, CA 92037 (US). **SHELLY, John, A.** [US/US]; 55146 Park Place, New Hudson, MI 48165 (US). **POORMAN, Roger, A.** [US/US]; 3320 Scots Pine Way, Apt. 4, Portage, MI 49024 (US). **EPPS, Dennis, E.** [US/US]; 4020 Saverio Court, Jacksonville, FL 32225 (US). **MORGAN, Aric, G.** [US/US]; 6555 Edgefield Street, Portage, MI 49024 (US).

(74) Agent: **ZUHN, Donald, L.**; McDonnell Boehnen Hulbert & Berghoff, Suite 3200, 300 South Wacker Drive, Chicago, IL 60606 (US).

(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, 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 *(regional)*: ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (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 patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

(88) Date of publication of the international search report:
18 June 2009

(54) Title: A CONTINUOUS-READ ASSAY FOR THE DETECTION OF *DE NOVO* HCV RNA POLYMERASE ACTIVITY

(57) Abstract: The invention provides a method for detecting RNA polymerase activity in a continuous-read manner. Specifically, the invention provides a method for detecting the *de novo* polymerase activity of the Hepatitis C virus (HCV) polymerase, NS5B, in a continuous-read manner. The invention also provides a method of screening for modulators of RNA polymerase activity. More specifically, the invention provides a method of screening for modulators of HCV NS5B activity.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/36465

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **C12Q 1/00**(2006.01),**1/70**(2006.01);**G01N 33/53**(2006.01),**33/573**(2006.01)
C07K 14/005(2006.01)

USPC: 435/4,5,7.1,7.4;530/350

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. : 435/4,5,7.1,7.4; 530/350

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)
WEST, PubMed, sequence search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5049490 (SUTHERLAND et al.) 17 September 1991 (17.09.1991), whole document.	1-40
Y	WO 99/67396 (TOYODA et al.) 29 December 1999 (29.12.1999), whole document	1-40
Y, P	US 6,639,053 (TOYODA et al.) 28 October, 2003 (28.10.2003), whole document.	1-40
Y --- A	US 5597697 (DIAMOND, Paul) 28 January, 1997 (28.01.1997), whole document, esp. claim 16.	29, 40 --- 1-28, 30-39
Y --- A	US 5,792,612 (KINNUNEN et al.) 11 August 1998 (11.08.1998), whole document, esp., columns 5-6.	6, 15, 24, 35 --- 1-5, 7-14, 16-23, 25-34, 36-40

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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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

Date of the actual completion of the international search	Date of mailing of the international search report
30 June 2008 (30.06.2008)	05 AUG 2008
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner of Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer Zachariah Lucas Telephone No. 571-272-1600

Form PCT/ISA/210 (second sheet) (July 1998)