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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
1 April 2010 (01.04.2010)

PCT

(10) International Publication Number
WO 2010/036979 A3

(51) **International Patent Classification**:
C07K 14/555 (2006.01) ***C07H 21/04*** (2006.01)
C12N 15/63 (2006.01) ***C12P 21/06*** (2006.01)

(21) **International Application Number**:
PCT/US2009/058498

(22) **International Filing Date**:
25 September 2009 (25.09.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
61/100,116 25 September 2008 (25.09.2008) 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, 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, 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).

Published:

— *with international search report (Art. 21(3))*

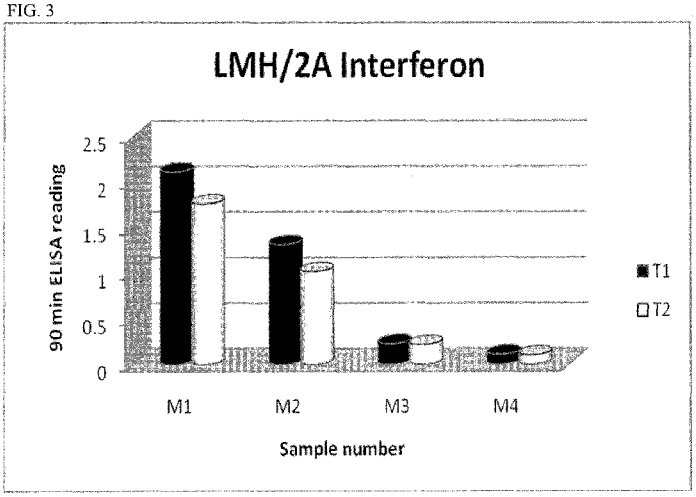
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

— *with sequence listing part of description (Rule 5.2(a))*

(88) **Date of publication of the international search report**:
18 November 2010

(54) **Title**: NOVEL VECTORS FOR PRODUCTION OF INTERFERON

FIG. 3



(57) **Abstract**: Novel compositions for the production of interferons such as interferon-α 2a, interferon-α 2b, or interferon-β 1a (IFN-α 2a, IFN-α 2b, or IFN-β 1a) are provided. The compositions comprise components of vectors, such as a vector backbone, a promoter, and a gene of interest that encodes an interferon such as IFN-α 2a, IFN-α 2b, or IFN-β 1a, and the vectors comprising these components. In certain embodiments, these vectors are transposon-based vectors. Also provided are methods of making these compositions and methods of using these compositions for the production of an interferon such as IFN-α 2a, IFN-α 2b, or IFN-β 1a.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2009/058498

A. CLASSIFICATION OF SUBJECT MATTER
INV. C07K14/465 C12N15/85
ADD.

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)
C07K C12N

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 practical, search terms used)
EPO-Internal, Sequence Search, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/003157 A2 (TRANSGENRES LLC [US]; UNIV LOUISIANA STATE [US]; COOPER RICHARD K [US]) 8 January 2004 (2004-01-08) The whole document, in particular p.4 par.2; p.12 last. par.; p.23 par.2; p.30 ln.5-9; Example 18 and the claims.	1,11,13, 15,16
X	WO 2004/067707 A2 (TRANSGENRES LLC [US]; UNIV LOUISIANA STATE [US]; COOPER RICHARD K [US]) 12 August 2004 (2004-08-12) The whole document, in particular p.4 par.2; p.12 par.4; p.24 par.1; p.30 ln.14-18 and the claims.	1,11,13, 15,16

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
20 September 2010	06/10/2010

Name and mailing address of the ISA/	Authorized officer
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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