



Canadian Intellectual
Property Office
An Agency of
Industry Canada

Office de la propriété
intellectuelle du Canada
Un organisme
d'Industrie Canada

Canada



Canadian Intellectual Property Office

cipo.ic.gc.ca

Français

Home

Contact Us

Help

Search

canada.gc.ca

[Home](#) > [CPD](#) > Patent Summary

Canadian Patents Database

Industry Canada

[Industry Canada](#)

CIPO

[About Us](#)

[Home](#)

[Patents Main Page](#)

Canadian Patents Database

[Canadian Patents
Database Main Page](#)

[Green Technologies](#)

[Search Options](#)

[Basic](#)

[Number](#)

[Boolean](#)

[Advanced](#)

[Help](#)

[General Content](#)

[Searching](#)

[Search Language](#)

[FAQ](#)

[Disclaimer](#)

CIPO Database

Links

[Decisions of the
Commissioner of
Patents](#)

[Canadian Patent
Office Record
\(CPOR\)](#)

[Canadian Trade-
marks Database](#)

[Canadian
Copyrights
Database](#)

[Canadian Industrial](#)

Third-party information liability

Some of the information on this Web page has been provided by external sources. The Government of Canada is not responsible for the accuracy, reliability or currency of the information supplied by external sources. Users wishing to rely upon this information should consult directly with the source of the information. Content provided by external sources is not subject to official languages, privacy and accessibility requirements.

Patent Summary

[\(12\) Patent Application:](#) [\(11\) CA 2741523](#)

[\(54\) English Title:](#)

HUMAN EBOLA VIRUS SPECIES AND COMPOSITIONS AND METHODS THEREOF

[\(54\) French Title:](#)

ESPECE DE VIRUS EBOLA HUMAIN ET COMPOSITIONS ET PROCEDES ASSOCIES

[Abstract](#)

[Patent Details](#)

[View or Download Images](#)

[View Administrative Status](#)

[Show all claims](#)

Representative Drawing

Designs Database

Proactive
Disclosure

Proactive Disclosure

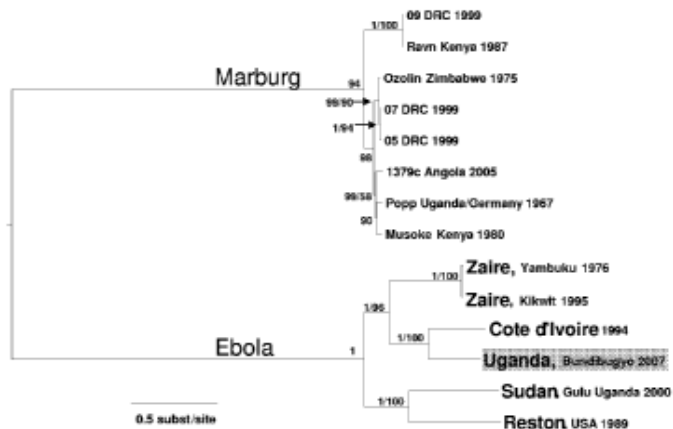


Fig. 1

[▲
Top of Page](#)

Abstracts

English Abstract

Compositions and methods including and related to the Ebola Bundibugyo virus (EboBun) are provided. Compositions are provided that are operable as immunogens to elicit and immune response or protection from EboBun challenge in a subject such as a primate. Inventive methods are directed to detection and treatment of EboBun infection.

French Abstract

L'invention a pour objet des compositions comprenant le virus Ebola Bundibugyo (EboBun) et des procédés associés. L'invention fournit des compositions qui sont utilisables en tant qu'immunogènes afin de susciter une réponse ou une protection immunitaire contre une exposition à EboBun chez un sujet tel qu'un primate. Les procédés selon l'invention sont destinés à la détection et au traitement de l'infection par EboBun.

Patent Details

[▲
Top of Page](#)

[\(51\) International Patent Classification \(IPC\):](#)

C12N 7/01 (2006.01)
A61K 39/12 (2006.01)
C07K 14/08 (2006.01)
C07K 16/10 (2006.01)

C12N 15/40 (2006.01)
G01N 33/68 (2006.01)

(72) Inventors (Country):

TOWNER, JONATHAN S. (United States of America)
NICHOL, STUART T. (United States of America)
COMER, JAMES A. (United States of America)
KSIAZEK, THOMAS G. (United States of America)
ROLLIN, PIERRE E. (United States of America)

(73) Owners (Country):

THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES, CENTER FOR DISEASE CONTROL AND PREVENTION (United States of America)

(71) Applicants (Country):

THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES, CENTER FOR DISEASE CONTROL AND PREVENTION (United States of America)

(74) Agent:

RIDOUT & MAYBEE LLP

(45) Issued:

(86) PCT Filing Date:

2009-10-26

(87) PCT Publication Date:

2010-04-29

Examination requested:

2014-07-14

(30) Availability of licence:

N/A

(30) Language of filing:

English

Patent Cooperation Treaty (PCT):

Yes

(86) PCT Filing Number:

PCT/US2009/062079

(87) International Publication Number:

WO2010/048615

(85) National Entry:**2011-04-21****(30) Application Priority Data:****Application No.****Country****Date**

61/108,175

United States of America

2008-10-24

View or Download Images [Top of Page](#)

Click on a link under View Patent Image to view a section of the image or click on a link under Download Patent Image in PDF format to download a section of the image in PDF format.

If you have any difficulty accessing content, you can call the Client Service Centre at 1-866-997-1936 or send them an e-mail at [CIPO Client Service Centre](#).

View Patent Image	Download Patent Image in PDF Format	Size of Image (KB)	Number of Pages
Cover Page	Cover Page	43	2
Abstract	Abstract	75	2
Claims	Claims	146	4
Description	Description	3,991	65
Drawings	Drawings	1,834	27
Representative Drawing	Representative Drawing	8	1

[PDF Readers.](#)

Last Updated: 2014-10-06

 [Top of Page](#)[Terms and Conditions](#)

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

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
29 April 2010 (29.04.2010)

PCT

(10) International Publication Number
WO 2010/048615 A3

(51) International Patent Classification:

C12N 7/01 (2006.01) C07K 16/10 (2006.01)
C12N 15/40 (2006.01) G01N 33/68 (2006.01)
C07K 14/08 (2006.01) A61K 39/12 (2006.01)

(21) International Application Number:

PCT/US2009/062079

(22) International Filing Date:

26 October 2009 (26.10.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/108,175 24 October 2008 (24.10.2008) US

(71) Applicant (for all designated States except US): **THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH & HUMAN SERVICES, CENTER FOR DISEASE CONTROL AND PREVENTION** [US/US]; Technology Transfer Office, 4770 Buford Highway, MS K79, Atlanta, GA 30341 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TOWNER, Jonathan, S.** [US/US]; Clifton Road, Mailstop G14, At-

lanta, GA 30333 (US). **NICHOL, Stuart, T.** [US/US]; Clifton Road, Mailstop G14, Atlanta, GA 30333 (US). **COMER, James, A.** [US/US]; Clifton Road, Mailstop G14, Atlanta, GA 30333 (US). **KSIAZEK, Thomas, G.** [US/US]; Clifton Road, Mailstop G14, Atlanta, GA 30333 (US). **ROLLIN, Pierre, E.** [US/US]; Clifton Road, Mailstop G14, Atlanta, GA 30333 (US).

(74) Agents: **GOLDSTEIN, Avery, N.** et al.; Gifford, Krass, Sprinkle, Anderson & Citkowski P.C., 2701 Troy Center Drive, Suite 330, Post Office Box 7021, Troy, MI 48007-7021 (US).

(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,

[Continued on next page]

(54) Title: HUMAN EBOLA VIRUS SPECIES AND COMPOSITIONS AND METHODS THEREOF

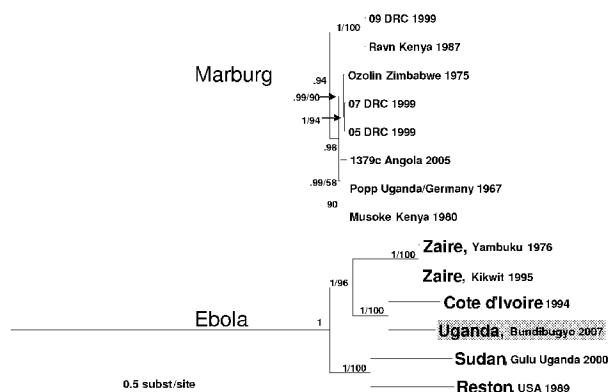


Fig. 1

(57) Abstract: Compositions and methods including and related to the Ebola Bundibugyo virus (EboBun) are provided. Compositions are provided that are operable as immunogens to elicit and immune response or protection from EboBun challenge in a subject such as a primate. Inventive methods are directed to detection and treatment of EboBun infection.

WO 2010/048615 A3 

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))*

Declarations under Rule 4.17:

- *of inventorship (Rule 4.17(iv))*

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

25 November 2010