

誰でも出来る簡単 米国特許庁での特許調査方法

2011年8月

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研究振興支援業務室 高橋 弘

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はじめに

米国特許庁(United States Patent and Trademark Office, USPTO)のホームページには、日本特許庁のホームページと同様に多くの情報が掲載されています。

・本書では、その中でも、簡単に行える、特許(出願)公報番号からの特許公報の取得方法、特許の法的状況調査(審査情報、年金納付情報)、特許権の譲渡情報の調査方法を中心に、先行米国特許の検索方法についても簡単に説明します。

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(1 of 1)

United States Patent 6,248,320
Coffin, et al. June 19, 2001

HSV strain lacking functional ICP27 and ICP34.5 genes

Abstract

The present invention provides a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene. It also provides the use of a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene in the treatment of disorders of, or injuries to, the nervous system of a mammal.

Inventors: Coffin, Robert Stuart (London, GB), Latchman, David Seymour (London, GB), Maclean, Alasdair Roderick (Glasgow, GB), Brown, Suzanne Moira (Glasgow, GB)
Assignee: University College London (London, GB)
 The University Court of the University of Glasgow (Glasgow, GB)

Appl. No.: 09/230,479
Filed: June 10, 1999
PCT Filed: July 25, 1997
PCT No.: PCT/GB97/02017
371 Date: June 10, 1999
102(a) Date: June 10, 1999
PCT Pub. No.: WO98/04726
PCT Pub. Date: February 05, 1998

Foreign Application Priority Data

| | |
|-------------------|---------|
| Jul 26, 1996 [GB] | 9615794 |
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Current U.S. Class: 424/93.2; 424/93.3; 435/235.1; 435/236; 435/320.1
Current International Class: C12N 15/869 (20060101); C12N 7/04 (20060101); C07K 14/035 (20060101); C07K 14/005 (20060101); A61K 48/00 (20060101); A01N 063/00 (20060101); C12N 007/00 (20060101); C12N 015/00 (20060101); A24/93.6 (435/320.1) 514/44

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(12) **United States Patent**
Coffin et al.

(10) **Patent No.:** US 6,248,320 B1
(45) **Date of Patent:** Jun. 19, 2001

(54) **HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES**

(75) **Inventors:** Robert Stuart Coffin; David Seymour Latchman; Alasdair Roderick Maclean; Suzanne Moira Brown, both of Glasgow, all of (GB)

(73) **Assignees:** University College London, London; The University Court of the University of Glasgow, Glasgow, both of (GB)

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(21) **Appl. No.:** 09/230,479

(22) **PCT Filed:** Jul. 25, 1997

(86) **PCT No.:** PCT/GB97/02017

§ 371 **Date:** Jun. 10, 1999

§ 102(c) **Date:** Jun. 10, 1999

(87) **PCT Pub. No.:** WO98/04726

PCT Pub. Date: Feb. 5, 1998

(30) **Foreign Application Priority Data**

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| Jul. 26, 1996 (GB) | 9615794 |
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(51) **Int. Cl.:** A01N 63/00; C12N 7/00; C12N 7/04; C12N 15/00

(52) **U.S. Cl.:** 424/93.2; 424/93.3; 435/235.1; 435/236; 435/320.1

(58) **Field of Search:** 424/93.6; 435/320.1; 514/44

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Anderson WF, "Human gene therapy", *Nature* vol. 392; pp. 25-30, Apr. 1998.

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Primary Examiner—Karen M. Hauda
Assistant Examiner—Shih-Lin Chen
(74) Attorneys, Agent, or Firm—Nixon & Vanderbyl P.C.
(57)

ABSTRACT

The present invention provides a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene. It also provides the use of a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene in the treatment of disorders of, or

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US006248320B1

(12) **United States Patent**
Coffin et al.

(10) **Patent No.:** US 6,248,320 B1
(45) **Date of Patent:** Jun. 19, 2001

(54) **HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES**

(75) **Inventors:** Robert Stuart Coffin; David Seymour Latchman, both of London; Alasdair Roderick Maclean; Suzanne Moira Brown, both of Glasgow, all of (GB)

(73) **Assignees:** University College London, London; The University Court of the University of Glasgow, Glasgow, both of (GB)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** 09/230,479
(22) **PCT Filed:** Jul. 25, 1999
(86) **PCT No.:** PCT/GB97/02017
§ 371 Date: Jun. 10, 1999
§ 102(e) Date: Jun. 10, 1999
(87) **PCT Pub. No.:** WO98/04726
PCT Pub. Date: Feb. 5, 1998

(30) **Foreign Application Priority Data**
Jul. 26, 1996 (GB) 9615794

(51) **Int. Cl.⁷** A01N 63/00; C12N 7/00; C12N 7/04; C12N 15/00

(52) **U.S. Cl.** 424/93.2; 424/93.3; 435/235.1; 435/236; 435/320.1

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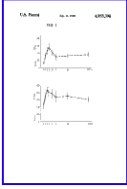


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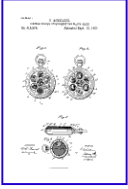
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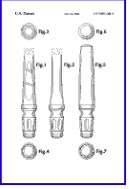
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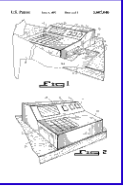
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[HSV strain lacking functional ICP27 and ICP34.5 genes](#)
US Pat. 6248320 - Filed Jun 10, 1999 - University College London, The University Court of the University of Glasgow
US 6248320 B1 (45) Date of Patent: Jun., 2001 (54) HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES (75) Inventors: Robert Stuart Coffin, David Seymour ...

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Google patents patent:6248320 Search Patents Advanced Patent Search

HSV strain lacking functional ICP27 and ICP34.5 genes Robert Stuart Coffin et al

Overview
 Abstract
 Description
 Claims

The present invention provides a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene. It also provides the use of a herpes simplex virus strain which lacks a functional ICP34.5 gene and a functional ICP27 gene in the treatment of disorders of, or injuries...

Inventors: Robert Stuart Coffin, David Seymour Latchman, Alasdair Roderick Maclean, Suzanne Moira Brown
Assignees: University College London, The University Court of the University of Glasgow
Primary Examiner: Shin-Lin Chen

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Patent number: 6248320
 Filing date: Jun 10, 1999
 Issue date: Jun 19, 2001

U.S. Classification
[424/932](#); [424/933](#); [435/235.1](#); [435/236](#); [435/320.1](#)

International Classification
 A01N 6300; C12N 700; C12N 704; C12N 1500

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Citations

| Patent Number | Title | Issue date |
|-------------------------|--|--------------|
| 4859587 | Recombinant herpes simplex viruses, vaccines and methods | Aug 22, 1989 |
| 5328688 | Recombinant herpes simplex viruses vaccines and methods | Jul 12, 1994 |
| 5585096 | Replication-competent herpes simplex virus mediates destruction of neoplastic cells | Dec 17, 1996 |
| 5658724 | Herpes simplex virus strains deficient for the essential immediate early genes ICP4 and ICP27 and methods for their production, growth and use | Aug 19, 1997 |

Claims

What is claimed is:

1. A herpes simplex virus (HSV) which lacks a functional ICP34.5 gene and a functional ICP27 gene.
2. An HSV according to claim 1 which is selected from the group consisting of a mutant HSV-1, a mutant HSV-2 and a HSV-1/HSV-2 recombinant mutant.

明細書をPDFでダウンロードできます。

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United States Patent Application 20100172872
 Kind Code A1
 MacLean; Alasdair Roderick ; et al. July 8, 2010

Treatment of Cancer Using HSV Mutant

Abstract

Use as an anti-cancer agent of a mutant herpes simplex virus wherein the mutant virus comprises a modification in the γ 34.5 gene in the long repeat region (Rsub.L) such that the γ 34.5 gene is a non-functional, manufacture of medicaments and methods of testing cancer in mammals employing HSV mutant.

Inventors: **MacLean; Alasdair Roderick**, (*Glasgow, GB*); **Brown; Susanne Moira**, (*Glasgow, GB*); **Fraser; Nigel William**, (*Philadelphia, PA*); **Randazzo; Bruce Paul**, (*Philadelphia, PA*)

Correspondence Address: **SWANSON & BRATSCHUN, L.L.C.**
 8210 SOUTHPARK TERRACE
 LITTLETON
 CO
 80120
 US

Assignee: **CRUSADE LABORATORIES LIMITED**
 Glasgow
 PA

THE WISTAR INSTITUTE
 Philadelphia

Serial No.: 692347
 Series Code: 12

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US 20100172872A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2010/0172872 A1**
 MacLean et al. (43) **Pub. Date: Jul. 8, 2010**

(54) **TREATMENT OF CANCER USING HSV MUTANT**

(75) Inventors: **Alasdair Roderick MacLean**, Glasgow (GB); **Susanne Moira Brown**, Glasgow (GB); **Nigel William Fraser**, Philadelphia, PA (US); **Bruce Paul Randazzo**, Philadelphia, PA (US)

Correspondence Address: **SWANSON & BRATSCHUN, L.L.C.**
 8210 SOUTHPARK TERRACE
 LITTLETON, CO 80120 (US)

(73) Assignees: **CRUSADE LABORATORIES LIMITED**, Glasgow (GB); **THE WISTAR INSTITUTE**, Philadelphia, PA (US)

(21) Appl. No.: 12/692,347

(22) Filed: Jan. 22, 2010

Related U.S. Application Data

(63) Continuation of application No. 11/152,591, filed on Jun. 13, 2005, now Pat. No. 7,674,468, which is a continuation of application No. 08/776,350, filed on Apr. 18, 1997, now abandoned, filed as application No. PCT/GB95/01791 on Jul. 28, 1995.

(30) **Foreign Application Priority Data**
 Jul. 29, 1994; 08/080,000; 08/080,001; 08/080,002

(51) Int. Cl. **A61K 35/00** (2006.01)
A61P 35/04 (2006.01)

(52) U.S. Cl. **424/93.2**

(57) **ABSTRACT**

Use as an anti-cancer agent of a mutant herpes simplex virus wherein the mutant virus comprises a modification in the γ 34.5 gene in the long repeat region (R_L) such that the γ 34.5 gene is a non-functional, manufacture of medicaments and methods of testing cancer in mammals employing HSV mutant.

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| 1 | 7,767,642 Therapeutic peptides for the treatment of metastatic cancer |
| 2 | 7,731,952 Avirulent oncolytic herpes simplex virus strains engineered to counter the innate host response |
| 3 | 7,801,359 Compositions and methods for the prevention and treatment of primary and metastatic neoplastic diseases and infectious diseases with heat shock/stress proteins |
| 4 | 7,598,355 Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto |
| 5 | 7,595,060 Yeast-antigen compositions methods of making the same |
| 6 | 7,592,317 Constitutive gene expression in conjunction with ionizing radiation |
| 7 | 7,578,091 Thiazolo-, oxazolo- and imidazolo-quinazoline compounds capable of inhibiting protein kinases |
| 8 | 7,550,148 Targeting of Herpes simplex virus to specific receptors |
| 9 | 7,510,718 Expression vectors and uses thereof |
| 10 | 7,501,126 Targeting of herpes simplex virus to specific receptors |
| 11 | 7,498,314 Expression vectors and uses thereof |
| 12 | 7,418,846 Vaccine composition comprising virus-like particles of human papillomavirus |
| 13 | 7,332,174 Mutant forms of cholera holotoxin as an adjuvant |
| 14 | 7,284,814 Composition and method for treating cancer using herpes virus |
| 15 | 7,252,817 Viruses for the treatment of cellular proliferative disorders |

HSV in Claims とCancer in Claimsの掛け合わせ検索で、56件がヒットしました。詳細を見るには、表示された特許番号をクリックします。

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| 1 7,838,501 | Coumermycin/novobiocin-regulated gene expression system |
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| 6 7,731,952 | Avirulent oncolytic herpes simplex virus strains engineered to counter the innate host response |
| 7 7,727,720 | Methods for detection of genetic disorders |
| 8 7,674,488 | Treatment of cancer using HSV mutant |
| 9 7,655,459 | Enhancer of anticancer activity in viral therapy and method of preventing or treating cancer |
| 10 7,592,008 | Membrane scaffold proteins |
| 11 7,550,148 | Targeting of Herpes simplex virus to specific receptors |
| 12 7,510,718 | Expression vectors and uses thereof |
| 13 7,501,126 | Targeting of herpes simplex virus to specific receptors |
| 14 7,498,314 | Expression vectors and uses thereof |
| 15 7,491,525 | Specific proliferation in tumour cell which can express antioncogene with high efficiency and the use of it |
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- Resources & Public Notices

Patent Searches

- Patent Official Gazette
- Search Patents & Applications
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- Copies, Products & Services

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- Copyrights
- Trademarks
- Policy & Law
- Reports

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

09/230,479 HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES

Select New Case Application Data Transaction History Continuity Data Foreign Priority Fees Published Documents Address & Attorney/Agent

Bibliographic Data

| | | | |
|-------------------------|------------------------------------|----------------------------|-----------------------------|
| Application Number: | 09/230,479 | Customer Number: | - |
| Filing or 371 (c) Date: | 06-10-1999 | Status: | Patented Case |
| Application Type: | Utility | Status Date: | 05-31-2001 |
| Examiner Name: | CHEN, SHIN LIN | Location: | FILE REPOSITORY (FRANCONIA) |
| Group Art Unit: | 1633 | Location Date: | 05-23-2005 |
| Confirmation Number: | 4282 | Earliest Publication No: | - |
| Attorney Docket Number: | 117-271 | Earliest Publication Date: | - |
| Class / Subclass: | 424/093.210 | Patent Number: | 6,248,320 |
| First Named Inventor: | ROBERT STUART COFFIN, LONDON, (GB) | Issue Date of Patent: | 06-19-2001 |

Title of Invention: HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES

If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).
- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](mailto:USPTO.Contact.Center@uspto.gov).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](mailto:Electronic.Business.Support@uspto.gov) or call 1 800-766-9199.

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法的状況(審査情報・年金納付)調査 PAIR (6)

Patent eBusiness

Patent Application Information Retrieval

Order Certified Application As Filed | Order Certified File Wrapper | View Order List

09/230,479 HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES

Select New Case | Application Data | **Transaction History** | Continuity Data | Foreign Priority | Fees | Published Documents | Address & Attorney/Agent

| Date | Transaction Description |
|------------|---|
| 10-18-2006 | Correspondence Address Change |
| 01-25-2001 | Workflow - File Sent to Contractor |
| 06-19-2001 | Recordation of Patent Grant Mailed |
| 05-31-2001 | Issue Notification Mailed |
| 04-03-2001 | Issue Fee Payment Verified |
| 01-12-2001 | Miscellaneous Incoming Letter |
| 04-03-2001 | Statement Filed Indicating a Loss of Entitlement to Small Entity Status |
| 04-22-2001 | Application Is Considered Ready for Issue |
| 01-03-2001 | Mail Notice of Allowance |
| 01-03-2001 | Notice of Allowance Data Verification Completed |
| 12-11-2000 | Case Docketed to Examiner in GAU |
| 09-28-2000 | Information Disclosure Statement (IDS) Filed |
| 09-28-2000 | Information Disclosure Statement (IDS) Filed |
| 10-06-2000 | Date Forwarded to Examiner |
| 09-28-2000 | Response after Non-Final Action |
| 09-28-2000 | Request for Extension of Time - Granted |
| 06-10-1999 | Initial Exam Team nn |
| 03-29-2000 | Mail Non-Final Rejection |
| 03-27-2000 | Non-Final Rejection |
| 01-23-2000 | Date Forwarded to Examiner |
| 01-18-2000 | Response after Non-Final Action |
| 06-23-1999 | Information Disclosure Statement (IDS) Filed |
| 06-23-1999 | Information Disclosure Statement (IDS) Filed |
| 10-13-1999 | Mail Non-Final Rejection |
| 10-12-1999 | Non-Final Rejection |
| 08-11-1999 | Case Docketed to Examiner in GAU |
| 07-29-1999 | Application Dispatched from OIPE |
| 07-28-1999 | IFW Scan & PACR Auto Security Review |
| 07-08-1999 | Released to OIPE |
| 07-08-1999 | Notice of DO/EO Acceptance Mailed |
| 06-17-1999 | 371 Application Preexamination Docketing |
| 06-10-1999 | Applicant 371 Filing Paper Received |
| 04-16-1999 | Notice of DO/EO Missing Requirements Mailed |
| 04-02-1999 | 371 Application Preexamination Docketing |
| 02-14-1999 | 371 Application Preexamination Docketing |
| 02-14-1999 | 371 Application Preexamination Docketing |
| 02-11-1999 | IB Paper Match |

“Transaction History”をクリックすると、米国特許の審査過程が見られます。

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法的状況(審査情報・年金納付)調査 PAIR (7)

Patent Application Information Retrieval

Order Certified Application As Filed | Order Certified File Wrapper | View Order List

11/152,591 TREATMENT OF CANCER USING HSV MUTANT

Select New Case | Application Data | Transaction History | **Image File Wrapper** | Patent Term Adjustments | Continuity Data | Foreign Priority | Fees | Published Documents | Address & Attorney/Agent

This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download.

| Mail Room Date | Document Code | Document Description | Document Category | Page Count | PDF |
|----------------|---------------|---|-------------------|------------|-------------------------------------|
| 02-17-2010 | ISSUE.NTF | Issue Notification | PROSECUTION | 1 | <input type="checkbox"/> |
| 01-21-2010 | IFEE | Issue Fee Payment (PTO-855) | PROSECUTION | 1 | <input type="checkbox"/> |
| 01-21-2010 | WFEE | Fee Worksheet (PTO-875) | PROSECUTION | 2 | <input type="checkbox"/> |
| 01-21-2010 | N417 | EFS Acknowledgment Receipt | PROSECUTION | 2 | <input type="checkbox"/> |
| 10-21-2009 | NOA | Notice of Allowance and Fees Due (PTOL-357) | PROSECUTION | 4 | <input type="checkbox"/> |
| 10-21-2009 | NOA | Notice of Allowance and Fees Due (PTOL-357) | PROSECUTION | 5 | <input type="checkbox"/> |
| 10-21-2009 | 892 | List of references cited by examiner | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | IIFW | Issue Information including classification, examination, etc. | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | SRFW | Search information including classification, date related notes | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | BIB | Bibliographic Data Sheet | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | 1449 | List of References cited by applicant and cons... | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | SRNT | Examiner's search strategy and results | PROSECUTION | 1 | <input type="checkbox"/> |
| 10-21-2009 | SRNT | Examiner's search strategy and results | PROSECUTION | 1 | <input type="checkbox"/> |
| 07-06-2009 | A... | Amendment/Req. Reconsideration-After Non-Final Reje... | PROSECUTION | 1 | <input type="checkbox"/> |
| 07-06-2009 | CLM | Claims | PROSECUTION | 3 | <input type="checkbox"/> |
| 07-06-2009 | REM | Applicant Arguments/Remarks Made in an Amendment | PROSECUTION | 12 | <input checked="" type="checkbox"/> |
| 07-06-2009 | XT7 | Extension of Time | PROSECUTION | 2 | <input type="checkbox"/> |
| 07-06-2009 | TRAN LET | Transmittal Letter | PROSECUTION | 2 | <input type="checkbox"/> |
| 07-06-2009 | IDS | Information Disclosure Statement (IDS) Filed (SB/08) | PROSECUTION | 1 | <input type="checkbox"/> |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 25 | <input type="checkbox"/> |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 2 | <input type="checkbox"/> |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 14 | <input type="checkbox"/> |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 55 | <input type="checkbox"/> |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 2 | <input type="checkbox"/> |

新しい特許では、“Image File Wrapper”の項目が表示されます。各資料をクリックすると、無料で審査の経過資料(包袋資料)、例えば、拒絶理由通知、出願人の意見書、補正書を見ることが出来ます。ダウンロードも可能です。但し、古い特許(例のUSP6248320ではImage File Wrapperが表示されません。これは新しい特許USP7674468の例です。

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法的状況(審査情報・年金納付)調査 PAIR (8)

| REMARKS |
|---|
| <p>An Office Action dated January 6, 2009, was received in the above-identified application. This Amendment and Response, along with an information disclosure statement, is submitted responsive to said Action. Applicants would like to thank the Examiner for the courtesy extended by the Examiner to Applicants' representative Mary Smith, during the telephonic interview on June 10, 2009, in which amendments to the claims to overcome the 35 U.S.C. § 112, first paragraph rejection, and potential rebuttals related to the 35 U.S.C. § 103(a) rejections were discussed.</p> <p style="text-align: center;">出願人の意見書の内容を見ることができます。</p> <p>Rejection under 35 U.S.C. § 112, first paragraph</p> <p>The Examiner has rejected claims 21, 24, 26, 28, 32, 34, and 36 under 35 U.S.C. § 112, first paragraph. The Examiner has indicated the application not to provide an adequate representative number of species to support adequate written description for the broad genus of "HSV-1 genomes" of any structure as encompassed by the claims (office action page 4). In particular, the Action pointed out the language recited in the claim, namely, "said avirulent HSV-1 having an HSV-1 genome" (emphasis original).</p> <p>Responsive to this rejection, without disclaimer or waiver of the subject matter therein, Applicant has amended claim 21 to replace the language "HSV-1 having an HSV-1 genome" with "wherein the HSV-1 genome is modified." The Examiner had indicated in the phone interview that such amendment could potentially be effective to overcome the rejection. Reconsideration is respectfully requested.</p> <p>Rejections under 35 U.S.C. § 103(a)</p> <p>The Examiner made new rejections of claims 21, 24, 26, 28, 30, 32, and 34 under 35 U.S.C. § 103(a) as unpatentable over Martuza et al. (U.S. 5,585,096) in view of Davey et al. (Neurosurgery, 1991, 28:8-14), Carrel et al. (Acta Neuropathol, 1982, 57:158-164), and Hanada et al. (J. of Med. Virology, 1989, 29:7-12), as evidenced by Chou et al. (Science, 1990, 250:1262-1266).</p> <p>The Examiner contends that Martuza et al. teach a method for treating tumors in a human comprising administering HSV-1 with both γ34.5 genes mutated, wherein the virus infects, replicates in, and lyses the tumor cells; but Martuza does not teach that the melanoma being</p> |

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法的状況(審査情報・年金納付)調査 PAIR (9)

| Patent Application Information Retrieval | | | | | | |
|---|------------------|---|--------------------|-------------------------|--------------------------|--------------------------|
| Order Certified Application As Filed Order Certified File Wrapper View Order List | | | | | | |
| 11/152,591 TREATMENT OF CANCER USING HSV MUTANT | | | | | | |
| Select New Case | Application Data | Transaction History | Image File Wrapper | Patent Term Adjustments | Continuity Data | Foreign Priority |
| | | | | | | Fees |
| | | | | | | Published Documents |
| | | | | | | Address & Attorney/Agent |
| This application is officially maintained in electronic form. To View: Click the desired Document Description. To Download and Print: Check the desired document(s) and click Start Download. | | | | | | |
| Available Documents | | | | | | |
| Mail Room Date | Document Code | Document Description | Document Category | Page Count | PDF | |
| 02-17-2010 | ISSUE.NTF | Issue Notification | PROSECUTION | 1 | <input type="checkbox"/> | |
| 01-21-2010 | IFEE | Issue Fee Payment (PTO-85B) | PROSECUTION | 1 | <input type="checkbox"/> | |
| 01-21-2010 | WFEE | Fee Worksheet (PTO-875) | PROSECUTION | 2 | <input type="checkbox"/> | |
| 01-21-2010 | N417 | EFS Acknowledgment Receipt | PROSECUTION | 2 | <input type="checkbox"/> | |
| 10-21-2009 | NOA | Notice of Allowance and Fees Due (PTOL-85) | PROSECUTION | 4 | <input type="checkbox"/> | |
| 10-21-2009 | NOA | Notice of Allowance and Fees Due (PTOL-85) | PROSECUTION | 5 | <input type="checkbox"/> | |
| 10-21-2009 | 892 | List of references cited by examiner | | | <input type="checkbox"/> | |
| 10-21-2009 | IIFW | Issue Information including classification, examiner, name, claim, renumbering, etc. | | | <input type="checkbox"/> | |
| 10-21-2009 | SRFW | Search information including classification, databases and other search related notes | | | <input type="checkbox"/> | |
| 10-21-2009 | BIB | Bibliographic Data Sheet | PROSECUTION | 1 | <input type="checkbox"/> | |
| 10-21-2009 | 1449 | List of References cited by applicant and considered by examiner | PROSECUTION | 1 | <input type="checkbox"/> | |
| 10-21-2009 | SRNT | Examiner's search strategy and results | PROSECUTION | 1 | <input type="checkbox"/> | |
| 10-21-2009 | SRNT | Examiner's search strategy and results | PROSECUTION | 1 | <input type="checkbox"/> | |
| 07-06-2009 | A... | Amendment/Req. Reconsideration-After Non-Final Reject | PROSECUTION | 1 | <input type="checkbox"/> | |
| 07-06-2009 | CLM | Claims | PROSECUTION | 3 | <input type="checkbox"/> | |
| 07-06-2009 | REM | Applicant Arguments/Remarks Made in an Amendment | PROSECUTION | 12 | <input type="checkbox"/> | |
| 07-06-2009 | XT/ | Extension of Time | PROSECUTION | 2 | <input type="checkbox"/> | |
| 07-06-2009 | TRAN.LET | Transmittal Letter | PROSECUTION | 2 | <input type="checkbox"/> | |
| 07-06-2009 | IDS | Information Disclosure Statement (IDS) Filed (SB/08) | PROSECUTION | 1 | <input type="checkbox"/> | |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 25 | <input type="checkbox"/> | |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 2 | <input type="checkbox"/> | |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 14 | <input type="checkbox"/> | |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 55 | <input type="checkbox"/> | |
| 07-06-2009 | NPL | NPL Documents | PRIOR ART | 2 | <input type="checkbox"/> | |
| 07-06-2009 | WFEE | Fee Worksheet (PTO-875) | PROSECUTION | 2 | <input type="checkbox"/> | |

審査官の特許検索の検索式も公開されています。

38

法的状況(審査情報・年金納付)調査 PAIR (10)

WEST Search History

DATE: Wednesday, September 30, 2009

審査官の特許検索の検索式が公開されています。

| Hide? | Set Name | Query | Hit Count |
|--------------------------|----------|---|-----------|
| <i>Prior Art</i> | | | |
| DB=USPT; PLUR=YES; OP=OR | | | |
| <input type="checkbox"/> | L9 | ((("HSV-1" OR HSV1 OR HSV1716) AND melanoma)[CLM] | 4 |
| <input type="checkbox"/> | L8 | ((("HSV-1" OR HSV1 OR HSV1716) AND (cancer OR tumor OR neoplasm OR malignant) AND melanoma)[CLM] | 4 |
| <input type="checkbox"/> | L7 | ((("HSV-1" OR HSV1 OR HSV1716) AND (cancer OR tumor OR neoplasm OR malignant) AND (administer OR administering OR administration OR inoculation OR deliver))[CLM] | 21 |
| <input type="checkbox"/> | L6 | ((("HSV-1" OR HSV1 OR HSV1716) AND (cancer OR tumor OR neoplasm OR malignant) AND (treat OR therapy OR therapeutic OR treatment))[CLM] | 8 |
| <input type="checkbox"/> | L5 | L3 AND (melanoma)[CLM] | 11 |
| <input type="checkbox"/> | L4 | L2 AND (melanoma)[CLM] | 659 |
| <input type="checkbox"/> | L3 | L1 AND (treat OR therapy OR therapeutic OR treatment)[CLM] | 124 |
| <input type="checkbox"/> | L2 | (treat OR therapy OR therapeutic OR treatment)[CLM] | 132424 |
| <input type="checkbox"/> | L1 | ("HSV-1" OR HSV1 OR HSV1716) AND (cancer OR tumor OR neoplasm OR malignant)[CLM] | 401 |

END OF SEARCH HISTORY

39

法的状況(審査情報・年金納付)調査 PAIR (11)

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

11/152,591 TREATMENT OF CANCER USING HSV MUTANT

Select New Case Application Data Transaction History Image File Wrapper Patent Term Adjustments Continuity Data Foreign Priority Fees Published Documents Address & Attorney/Agent

Patent Term Adjustment

| | | | |
|------------------------|------------|---|-----|
| Filing or 371(c) Date: | 06-13-2005 | Overlap of Days Between {A and B} or {A and C}: | 0 |
| Issue Date of Patent: | 03-09-2010 | Non-Overlapping USPTO Delays: | 327 |
| A Delays: | 212 | PTO Manual Adjustments: | 0 |
| B Delays: | 115 | Applicant Delays: | 378 |
| C Delays: | 0 | Total PTA Adjustments: | 0 |

Patent Term Adjustment History

| Number | Date | Contents Description | Explanation Of Calculations | PTO(Days) | APPL(Days) | Start |
|--------|------------|---|-----------------------------|-----------|------------|-------|
| 89.5 | 10-06-2008 | PTA 36 Months | | 115 | | 0 |
| 89 | 03-09-2010 | Patent Issue Date Used in PTA Calculation | | | | 0 |
| 88 | 01-29-2010 | Export to Final Data Capture | | | | 0 |
| 87 | 01-28-2010 | Dispatch to FDC | | | | 0 |
| 86 | 01-27-2010 | Application Is Considered Ready for Issue | | | | 0 |
| 85 | 01-21-2010 | Issue Fee Payment Verified | | | | 0 |
| 84 | 01-21-2010 | Issue Fee Payment Received | | | | 0 |
| 83 | 12-18-2009 | Finished Initial Data Capture | | | | 0 |
| 82 | 10-23-2009 | Export to Initial Data Capture | | | | 0 |
| 77 | 10-21-2009 | Mail Notice of Allowance | | | | 0 |
| 76 | 10-15-2009 | Issue Revision Completed | | | | 0 |
| 75 | 10-15-2009 | Document Verification | | | | 0 |
| 74 | 10-15-2009 | Notice of Allowance Data Verification Completed | | | | 0 |
| 73 | 10-15-2009 | Case Docketed to Examiner in GAU | | | | 0 |
| 72 | 10-13-2009 | Examiner's Amendment Communication | | | | 0 |
| 71 | 10-13-2009 | Notice of Allowability | | | | 0 |
| 70 | 07-06-2009 | Information Disclosure Statement considered | | | | 0 |
| 69 | 07-06-2009 | Information Disclosure Statement considered | | | | 0 |
| 66 | 07-06-2009 | Information Disclosure Statement (IDS) Filed | | 0 | | 64 |
| 65 | 08-06-2009 | Date Forwarded to Examiner | | | | 0 |
| 64 | 07-06-2009 | Response after Non-Final Action | | 91 | | 57 |
| 63 | 07-06-2009 | Request for Extension of Time - Granted | | | | 0 |
| 62 | 07-06-2009 | Information Disclosure Statement (IDS) Filed | | | | 0 |
| 61 | 07-06-2009 | Information Disclosure Statement (IDS) Filed | | | | 0 |
| 60 | 06-17-2009 | Email Notification | | | | 0 |
| 59 | 06-17-2009 | Mail Examiner Interview Summary (PTOL - 413) | | | | 0 |

“Patent Term Adjustments”は特許庁の責に帰すべき理由によって審査が遅れた場合、遅れた期間の特許期間を延長するための計算を示しています。この場合は延長はゼロです。

40

法的状況(審査情報・年金納付)調査 PAIR (12)

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

11/152,591 TREATMENT OF CANCER USING HSV MUTANT

Select New Case Application Data Transaction History Image File Wrapper Patent Term Adjustments Continuity Data Foreign Priority Fees Published Documents Address & Attorney/Agent

Parent Continuity Data

| Description | Parent Number | Parent Filing Date | 35 USC 111(c) Date | Parent Status | Parent Number |
|---------------------------------------|--------------------------------|--------------------|--------------------|---------------|---------------|
| This application is a Continuation of | 08/776,350 | 04-18-1997 | | Abandoned | - |
| is National Stage Entry of | PCT/GB95/01791 | 07-28-1995 | | Published | - |

Child Continuity Data

[12/692,347](#) filed on 01-22-2010 which is Pending claims the benefit of [11/152,591](#)

If you need help:

- Call the Patent Electronic Business Center at (866) 217-9197 (toll free) or e-mail EBC@uspto.gov for specific questions about Patent Application Information Retrieval (PAIR).
- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

本特許に関する継続出願等のデータが示されます。

41

法的状況(審査情報・年金納付)調査 PAIR (13)

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

11/152,591 TREATMENT OF CANCER USING HSV MUTANT

Select New Case Application Data Transaction History Image File Wrapper Patent Term Adjustments Continuity Data Foreign Priority Fees Published Documents Address & Attorney/Agent

Foreign Priority

| Country | Priority | Priority Date |
|----------------|-----------|---------------|
| UNITED KINGDOM | 9415320.2 | 07-29-1994 |

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- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

外国からの優先権が示されます。

42

法的状況(審査情報・年金納付)調査 PAIR (14)

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- Patent Ownership
- Fees
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Patent Information

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- Employee & Office Directories
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Patent Searches

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- Search Patents & Applications
- Search Biological Sequences
- Copies, Products & Services

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- Reports

Patent Application Information Retrieval

Order Certified Application As Filed Order Certified File Wrapper View Order List

09/230,479 HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES

Select New Case Application Data Transaction History Continuity Data Foreign Priority **Fees** Published Documents Attorney/Agent Address &

Bibliographic Data

Application Number: 09/230,479
 Filing or 371 (c) Date: 06-10-1999
 Application Type: Utility
 Examiner Name: CHEN, SHIN LIN
 Group Art Unit: 1633
 Confirmation Number: 4282
 Attorney Docket Number: 117-271
 Class / Subclass: 424/093.210
 First Named Inventor: ROBERT STUART COFFIN, LONDON, (GB)

Status:
 Status Date:
 Location:
 Location Date:
 Earliest Publication No: -
 Earliest Publication Date: -
 Patent Number: 6,248,320
 Issue Date of Patent: 06-19-2001

Title of Invention: HSV STRAIN LACKING FUNCTIONAL ICP27 AND ICP34.5 GENES

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- Send general questions about USPTO programs to the [USPTO Contact Center \(UCC\)](#).
- If you experience technical difficulties or problems with this application, please report them via e-mail to [Electronic Business Support](#) or call 1 800-786-9199.

“Fees”を選択すると、年金支払い状況が確認できます。年金不払いで死んでいる特許も多いので、必ず確認が必要です。

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法的状況(審査情報・年金納付)調査 PAIR (15)

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Patent Maintenance Fees

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- Click on "Retrieve Fees to Pay" to pay a maintenance fee.
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- Click on "View Payment Windows" to determine when maintenance fees are due.
- Select the applicable year (4, 8 or 12) from the drop-down list box next to "Payment Window" and click "View Statement" to print a statement showing receipt of a maintenance fee payment.

Patent Number (exclude special characters; e.g. commas): 5248320

Application Number (must be 8 numeric digits - see NOTE below): 09230479

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View Payment Windows

View Statement for Payment Window: 04

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[The Privacy Act of 1974 - as it relates to Maintenance Fees](#)
[The Paperwork Reduction Act of 1995 - as it relates to Maintenance Fees](#)

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In order to find the series code that is based upon the application filing date, use the following table:

| Application Filing Date | | |
|-------------------------|----------|-------------|
| From | To | Series Code |
| 01/01/93 | 12/31/97 | 08 |
| 01/01/98 | 12/03/01 | 09 |
| 12/04/01 | 12/1/04 | 10 |
| 12/2/04 | Present | 11 |

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法的状況(審査情報・年金納付)調査 PAIR (16)

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“Retrieve Fees to Pay”の内容です。最新のデータ、次回の年金納付時期2012年6月19日が示されています。

| Patent Maintenance Fees | | 12/07/2010 03:03 AM EST | |
|-------------------------|-----------------------|-------------------------|------------|
| Patent Number: | 6248320 | Application Number: | 09230479 |
| Issue Date: | 06/19/2001 | Filing Date: | 06/10/1999 |
| Window Opens: | 06/19/2012 | Surcharge Date: | 12/20/2012 |
| Window Closes: | 06/19/2013 | Payment Year: | |
| Entity Status: | LARGE | | |
| Customer Number: | 000000 | | |
| Street Address: | NIXON & VANDERHYE, PC | | |
| City: | ARLINGTON | | |
| State: | VA | | |
| Zip Code: | 22203 | | |
| Phone Number: | (703) 816-4000 | | |

Currently there are no fees due.

45

法的状況(審査情報・年金納付)調査 PAIR (17)

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USPTO Home Page
Finance Online Shopping Page

“Get Bibliographic Data”の内容です。2004/9/27に4年目、2008/9/29に8年目の年金が支払われています。


| Patent Bibliographic Data | | 12/07/2010 03:04 AM | |
|-------------------------------|--|---------------------|-----------------|
| Patent Number: | 6248320 | Application Number: | 09230479 |
| Issue Date: | 06/19/2001 | Filing Date: | 06/10/1999 |
| Title: | HSV STRAIN L... FUNCTIONAL ICP27 AND ICP34.5 GENES | | |
| Status: | 12th year fee window opens: 06/19/2012 | Entity: | Large |
| Window Opens: | 06/19/2012 | Surcharge Date: | 12/20/2012 |
| Fee Amt Due: | Window not open | Surchg Amt Due: | Window not open |
| Fee Code: | 155 | Total Amt Due: | Window not open |
| Surcharge Fee Code: | MAINTENANCE FEE DUE AT 11.5 YEARS | | |
| Most recent events (up to 7): | 09/29/2008 Payment of Maintenance Fee, 8th Year, Large Entity. 09/27/2004 Payment of Maintenance Fee, 4th Year, Large Entity. --- End of Maintenance History --- | | |
| Address for fee purposes: | NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203 | | |

Run Another Query

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法的状況(審査情報・年金納付)調査 PAIR (18)

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“Get Payment Windows”の内容です。年金支払時期が示されます。米国特許の年金支払時期は、毎年ではなく、登録時、3.5, 7.5, 11.5年なので注意が必要です。

Maintenance Fees Window Dates 12/07/2010 03:05 AM EST


Patent Number: 6248320 Application Number: 09230479

| | 4th Year | 8th Year | 12th Year |
|----------------|------------|------------|------------|
| Open Date | 06/19/2004 | 06/19/2008 | 06/19/2012 |
| Surcharge Date | 12/21/2004 | 12/20/2008 | 12/20/2012 |
| Close Date | 06/20/2005 | 06/19/2009 | 06/19/2013 |

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法的状況(審査情報・年金納付)調査 PAIR (19)

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 United States Patent and Trademark Office

“View Statement for Payment Window “8”の内容です。プルダウン形式の数値は現在の期間のものを選びます。この特許の年金は、適正に納付されていることが示されています。

Maintenance Fee Statement 12/07/2010 03:30 AM EST

Patent Number: 6248320
Customer Number: 000000

NIXON & VANDERHYE, PC
901 NORTH GLEBE ROAD, 11TH FLOOR
ARLINGTON VA 22203


According to the records of the U.S. Patent and Trademark Office (USPTO), the maintenance fee and any necessary surcharge have been timely paid for the patent listed below. The "PYMT DATE" column indicates the payment date (i.e., the date the payment was filed).

The payment shown below is subject to actual collection. If the payment is refused or charged back by a financial institution, the payment will be void and the maintenance fee and any necessary surcharge unpaid.

Direct any questions about this statement to: Mail Stop M Correspondence, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

| PATENT NUMBER | FEE AMT | SUR-CHARGE | PYMT DATE | U.S. APPLICATION NUMBER | PATENT ISSUE DATE | APPL. FILING DATE | PAYMENT YEAR | SMALL ENTITY? | ATTY DKT NUMBER |
|---------------|------------|------------|-----------|-------------------------|-------------------|-------------------|--------------|---------------|-----------------|
| 6,248,320 | \$2,360.00 | \$0.00 | 09/29/08 | 09/230,479 | 06/19/01 | 06/10/99 | 08 | NO | UCL EP 017 |

Click [here](#) to obtain your Maintenance Fee Statement as a PDF.
Please note that in order to view your Maintenance Fee Statement as a PDF, you must have Adobe's Acrobat Reader installed. If you do not have it, download it for FREE!



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特許譲渡情報の検索 AOTW-P(1)

The screenshot shows the USPTO homepage. At the top, there is a search bar and navigation links. The main content area is divided into three columns: Patents, Trademarks, and IP Law & Policy. A yellow callout box with a lightning bolt points to the 'Assignments' link in the Patents section, which is highlighted in red. The callout text reads: '米国特許庁HPのPatentsの中の“Assignments”をクリックします。' (Click on 'Assignments' in the Patents section of the USPTO website).

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特許譲渡情報の検索 AOTW-P(2)

The screenshot shows the 'Change Ownership' page on the USPTO website. The page title is 'Change Ownership' and it includes a sub-section for 'Change of Owner (Assignment) and Change of Owner Name'. A yellow callout box with a lightning bolt points to the link 'Assignments on the Web for Patents (AOTW-P)'. The callout text reads: '“Assignments on the Web for Patents (AOTW-P)”をクリックします。1955年からの記録が掲載されています。' (Click on 'Assignments on the Web for Patents (AOTW-P)'. Records from 1955 onwards are posted.)

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特許譲渡情報の検索 AOTW-P(3)

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Enter the Data: [Online Help](#)

Reel/Frame Number:

Patent Number: **特許番号を入力して、Search。**

Publication Number:

Assignor Name:

Assignor Index:

Assignee Name:

Assignee Index:

Assignor/Assignee Name:

The database contains all recorded Patent Assignment information from August 1980 to December 7, 2010.

51

特許譲渡情報の検索 AOTW-P(4)

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Total Assignments: 3

Patent #: 7674468 Issue Dt: 03/09/2010 Application #: 11152591 Filing Dt: 06/13/2005
 Publication #: 20050260169 Pub Dt: 11/24/2005
 Inventors: Alasdair Roderick MacLean, Susanne Moira Brown, Nigel William Fraser et al
 Title: TREATMENT OF CANCER USING HSV MUTANT

Assignment: 1

Reel/Frame: 016692/0817 Recorded: 06/13/2005 Pages: 3
 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
 Assignors: BROWN, SUSANNE MOIRA
 MACLEAN, ALASDAIR RODERICK
 Assignee: UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, THE
 UNIVERSITY AVENUE
 GLASGOW, SCOTLAND G12 8QQ
 Correspondent: TANYA M. HARDING, PH.D.
 KLARQUIST SPARKMAN, LLP
 ONE WORLD TRADE CENTER, SUITE 1600
 121 S.W. SALMON STREET
 PORTLAND, OR 97204-2988

Assignment: 2

Reel/Frame: 016692/0820 Recorded: 06/13/2005 Pages: 5
 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
 Assignors: FRASER, NIGEL WILLIAM
 RANDAZZO, BRUCE PAUL
 Assignee: WISTER INSTITUTE, THE
 3601 SPRUCE STREET
 PHILADELPHIA, PENNSYLVANIA 19104-4268
 Correspondent: TANYA M. HARDING
 KLARQUIST SPARKMAN, LLP
 ONE WORLD TRADE CENTER, SUITE 1600
 121 S.W. SALMON STREET
 PORTLAND, OREGON 97204-2988

Assignment: 3

Reel/Frame: 016669/0753 Recorded: 10/21/2005 Pages: 10
 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).
 Assignor: THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW
 Assignee: CRUSADE LABORATORIES LIMITED
 PO BOX 1716
 GLASGOW, UNITED KINGDOM G51 4WF
 Correspondent: TANYA HARDING AT KLARQUIST SPARKMAN LLP
 1600 ONE WORLD TRADE CENTER
 121 SW SALMON STREET

本特許には、Glasgow大学に所属する2人の発明者と、Wister Institute (Philadelphia)に所属する2人の発明者があり、2005/6/13に各発明者が各々の機関に特許を譲渡し、更に2005/10/21、Glasgow大学は、その持ち分をCrusade Lab. Limit.に譲渡していることが分かります。

各々のAssignersをクリックすると、その譲渡人の譲渡特許を見ることが出来ます。

52

特許譲渡情報の検索 AOTW-P(5)

Assignor Name : BROWN, SUSANNE MOIRA
Total Assignments: 14

Assignment: 1
Reel/Frame: [016692/0817](#) Recorded: 06/13/2005 Pages: 3
Attorney Dkt #: 6947-67205-02
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
1 [BROWN, SUSANNE MOIRA](#) Exec Dt: 03/08/2002
2 [MACLEAN, ALASDAIR RODERICK](#) Exec Dt: 03/19/2002

Assignee
1 [UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW](#)

Property
Pat # Pub # App #
[7574468](#) [US20050260169](#) 11152591

Correspondence name and address
TANYA M. HARDING, PH.D.
KLARQUIST SPARKMAN, LLP
ONE WORLD TRADE CENTER, SUITE 1600
121 S.W. SALMON STREET
PORTLAND, OR 97204-2988

Assignment: 2
Reel/Frame: [024660/0577](#) Recorded: 07/09/2010 Pages: 3
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
1 [BROWN, SUSANNE MOIRA](#) Exec Dt: 03/08/2002
2 [MACLEAN, ALASDAIR RODERICK](#) Exec Dt: 03/19/2002

Assignee
1 [THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW](#)

Property
Pat # Pub # App #
NONE [US20100172872](#) 12692347

Correspondence name and address
SWANSON & BRATTSCHUN, L.L.C.
8210 SOUTHPARK TERRACE
LITTLETON, CO 80120

Assignment: 3

発明者のMoriaをクリックすると、Moriaがどんな特許を、どこに譲渡しているかが分かります。大半はグラスゴー大学ですが、企業では、本特許と同じ Crusade Laboratories Limitedに譲渡した特許が多いことが分かります。

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特許譲渡情報の検索 AOTW-P(6)

Assignor Name : THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW
Total Assignments: 13

Assignment: 1
Reel/Frame: [011873/0156](#) Recorded: 06/08/2001 Pages: 7
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor
1 [THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW](#) Exec Dt: 12/22/1999

Assignee
1 [C3D LIMITED](#)

Property
Pat # Pub # App #
[6370335](#) NONE 09466937

Correspondence name and address
FOLEY, HOAG & ELIOT LLP
CHINH H. PHARM
ONE POST OFFICE SQUARE
BOSTON, MA 02109

Assignment: 2
Reel/Frame: [014385/0208](#) Recorded: 03/01/2004 Pages: 7
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor
1 [THE UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW](#) Exec Dt: 11/24/2003

Assignee
1 [INTENSE PHOTONICS LIMITED](#)

Property
Pat # Pub # App #
[6719884](#) [US20030053789](#) 10047308

Correspondence name and address
PIPER RUDNICK LLP
JEFFERSON PERKINS, ESQ.
P.O. BOX 64807
CHICAGO, IL 60664-0807

Assignment: 3
Reel/Frame: [016630/0477](#) Recorded: 10/12/2005 Pages: 11
Attorney Dkt #: 6947-67207-01

グラスゴー大学をクリックすると、グラスゴー大学が譲渡した特許13件が開示されます。

54

特許譲渡情報の検索 AOTW-P(7)

Assignee Name : CRUSADE LABORATORIES LIMITED
 Total Assignments: 26
 Assignment: 1

Reel/Frame: [016995/0944](#) Recorded: 01/10/2006 Pages: 5

Attorney Dkt #: 6947-69275-01
 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignor
 1 [BROWN, SUSANNE MOIRA](#) Exec Dt: 02/10/2003

Assignee
 1 [CRUSADE LABORATORIES LIMITED](#)

Property

| Pat # | Pub # | App # |
|-------|-------------------------------|----------|
| NONE | US20050271620 | 10504460 |

Correspondence name and address
 TANYA M. HARDING, KLARQUIST SPARKMAN
 121 SW SALMON STREET
 SUITE 1600
 PORTLAND, OR 97204

Assignment: 2

Reel/Frame: [017357/0232](#) Recorded: 03/23/2006 Pages: 6

Attorney Dkt #: 69275-01/NOCHARGETOCLIENT
 #:
 Conveyance: CORRECTIVE ASSIGNMENT TO CORRECT THE DOC DATE PREVIOUSLY RECORDED ON REEL 016997 FRAME 0208. ASSIGNOR(S) HEREBY CONFIRMS THE EXECUTION DATE ENTERED INCORRECTLY AS 10/02/2003 VIA ELECTRONIC FILING DATED 1/11/06. CORRECT EXECUTION DATE IS 02/10/2003.

Assignor
 1 [CONNER, JOE](#) Exec Dt: 02/10/2003

Assignee
 1 [CRUSADE LABORATORIES LIMITED](#)

Property

| Pat # | Pub # | App # |
|-------|-------------------------------|----------|
| NONE | US20050271620 | 10504460 |

Correspondence name and address
 KLARQUIST SPARKMAN, LLP
 ONE WORLD TRADE CENTER
 121 SW SALMON STREET, SUITE 1600

AssigneeのCrusade Laboratories Limitedをクリックすると、本特許の譲受人であるCrusade Laboratories Limitedが、どんな特許を譲受して、集めているかが分かります。

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特許譲渡情報の検索 AOTW-P(8)

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Reel/Frame Number:

Patent Number:

Publication Number:

Assignor Name:

Assignor Index:

Assignee Name:

Assignee Index:

Assignor/Assignee Name:

The database contains all recorded Patent Assignment information from August 1980 to December 7, 2010.

譲渡人名、譲受人名でも検索できます。但し、特許公報での個人名、会社名の記載名には、異なる書き方や間違いが多いので、考えられる全ての範囲の名称で検索してみる必要があります。

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特許譲渡情報の検索 AOTW-P(9)

United States Patent and Trademark Office

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Patent Assignor Summary

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Search Criteria: Assignor Name = UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW

Total: 14

| APPL# | PAT# | PGPub# | NAME |
|----------|-------------------------|-------------------------------|--|
| 10493125 | NONE | US20050019923 | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 08809402 | 5892577 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09156475 | 6256088 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09665930 | 6327031 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09643030 | 6339473 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09665481 | 6476907 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09642996 | 6803999 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09991429 | 6992769 | US20020135754 | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 10121281 | 7033747 | US20020151043 | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09991863 | 7110094 | US20020085202 | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 09284421 | 7387898 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW |
| 06805507 | 4711971 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, THE |
| 09980167 | 6803185 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, THE |
| 06569661 | 4627442 | | UNIVERSITY COURT OF THE UNIVERSITY OF GLASGOW, THE |

If you have any comments or questions concerning the data displayed, contact PRD / Assignments at 571-272-3350, v.2.1
Web interface last modified: Apr 30, 2009 v.2.1

Search Results as of: 12/07/2010 09:58

譲渡人グラスゴー大学で検索すると、14件がヒットしました。先の結果の13件と1件異なります。

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特許譲渡情報の検索 AOTW-P(10)

Assignments on the Web > Patent Query

Patent Assignor Index

NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.

Search Criteria: Assignor Index Name = CRUSADE LABORATORIES LIMITED

Page 1

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| APPL# | PAT# | PGPub# | NAME |
|----------|-------------------------|-------------------------------|---|
| 08391424 | 5532679 | | CRUSADER TECHNOLOGIES, INC. |
| 08653019 | 5654692 | | CRUSADER TECHNOLOGIES, INC. |
| 08654639 | 5777483 | | CRUSADER TECHNOLOGIES, INC. |
| 09549939 | 6185988 | | CRUSADER TECHNOLOGIES, INC. |
| 10422235 | 6871687 | US20040211543 | CRUSAN, WILLIAM A. |
| 06527186 | 4629220 | | CRUSCO, JUAN C. |
| 07760778 | H001134 | | CRUSCO, VINCENT J. |
| 06363234 | 4447296 | | CRUSE, AUBREY R. |
| 09039847 | 6073552 | | CRUSE, BRIDGET ANN |
| 08570034 | 5684744 | | CRUSE, CHARLES L. JR. |
| 07413137 | 5013767 | | CRUSE, CLINT A. |
| 07066751 | 4871494 | | CRUSE, CLINT A. |
| 10103104 | 7247161 | US20050267501 | CRUSE, ENERGY II |
| 11366678 | 7441584 | US20070204968 | CRUSE, ERIC W. |
| 08524135 | 5925212 | | CRUSE, JAMES |
| 08854508 | 5910011 | | CRUSE, JAMES P. |
| 09322912 | 6652710 | US20010051437 | CRUSE, JAMES P. |
| 11695553 | 7605008 | US20080241419 | CRUSE, JAMES P. |
| 11830140 | 7645709 | US20090035952 | CRUSE, JAMES P. |
| 10170925 | 6660659 | US20030232513 | CRUSE, JAMES P. |
| 11685775 | 7552736 | US20080179009 | CRUSE, JAMES P. |
| 11678622 | 7775236 | US20080202610 | CRUSE, JAMES PATRICK |
| 11678623 | 7846497 | US20080202588 | CRUSE, JAMES PATRICK |
| 11833623 | 7743670 | US20080035202 | CRUSE, JAMES PATRICK |

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譲受人CRUSADE LABORATORIES LIMITEDで検索すると、非常に多くの特許がヒットしましたが、名称が違っていても多く含まれているようです。また、入力条件は1項目のみで、譲受人と譲渡人を入力して検索することは出来ません。

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