

ESTG

João Marcelino

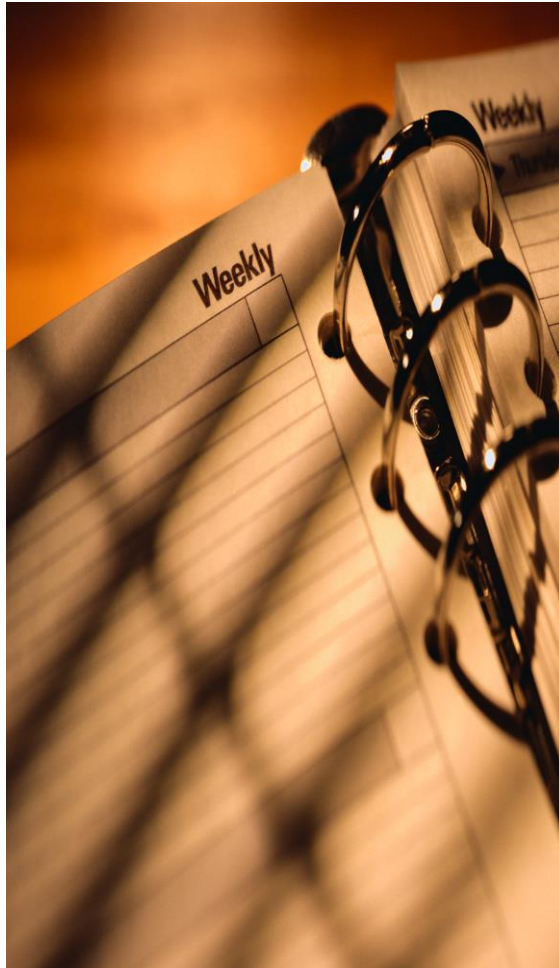
Examinador de Patentes



PESQUISA DE PATENTES



Portalegre | 26.04.2017



1. Importância da pesquisa de patentes;
2. Esp@cenet;
3. Operadores de pesquisa;
4. Campos de pesquisa;
5. Classificação;
6. Pesquisa e visualização de resultados;
7. Exportação de dados para o Excel;
8. Exercícios práticos.

PORQUÊ E O QUE SE PROCURA CONHECER ?

- Invenções em diferentes países e domínios da tecnologia;
- Informação de inventores e requerentes e seus dados históricos;
- Evitar gastos em projectos de I & D para invenções que já existem;
- Considerar novas oportunidades de negócio (encontrar invenções passíveis de Licenciamento);
- Melhoramentos de Patentes existentes → Novas Invenções;
- Monitorizar as actividades de patenteamento de concorrentes;
- Seguir invenções que possam infringir as suas próprias Patentes;
- Encontrar novas soluções para os seus problemas técnicos;
- Acompanhamento de tecnologias emergentes;
- Verificação do estado jurídico de certas invenções.



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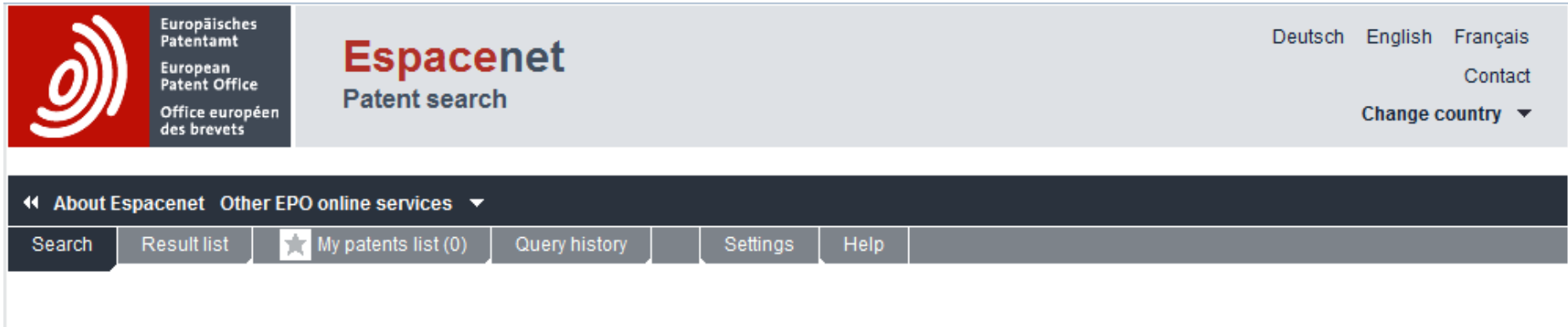
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áreas científicas

Fonte de informações
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jurídico

<http://worldwide.espacenet.com/>



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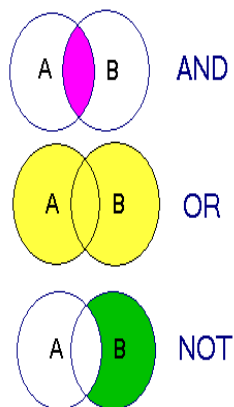
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LIMITAÇÕES

- 10 termos de pesquisa por campo;
- Apresentação de apenas 500 resultados;
- Alguns documentos (CN, JP, KR,...) só têm o resumo traduzido;
- Alguns dados jurídicos podem não estar atualizados;
- Não dá para imprimir documentos demasiado extensos;
- Os apóstrofes, travessões e hífens não são pesquisados.

OPERADORES BOOLEANOS



AND

- para pesquisar várias características
- activado por defeito nos campos Título, Resumo, Inventor, Requerente e Classificação



car **and** window

OR

- para pesquisar sinónimos ou termos relacionados
- activado por defeito nos campos Número para Publicação, Data de Publicação, Data do Pedido e Data de Prioridade



glass **or** window

NOT

- para excluir significados de termos que não são relevantes para a pesquisa



car **not** truck

TRUNCAÇÃO

- * – substitui um conjunto de caracteres
- ? – substitui um ou zero caracteres
- # – substitui exactamente um caracter



Play*
Telephone?
Telephone#



- Play, plays, player, playback...
- Telephone *ou* Telephones
- Telephones

OPERADORES DE PROXIMIDADE

prox/distance<x – encontra os termos pretendidos até ao máximo de x termos entre eles

prox/unit=sentence – encontra os termos pretendidos dentro da mesma frase

prox/unit=paragraph – encontra os termos pretendidos dentro do mesmo parágrafo

prox/ordered – encontra os termos pretendidos na mesma ordem em que foram apresentados



- mouse **prox/distance<3** trap
- mouse **prox/unit=sentence** trap
- mouse **prox/unit=paragraph** trap
- mouse **prox/ordered** trap

OPERADORES DE COMPARAÇÃO

- =** – igual a
- ==** – exactamente igual a (na mesma ordem em que os termos são apresentados)
- all** – encontra todos os termos pretendidos (independentemente da ordem)
- any** – encontra qualquer um dos termos apresentados
- Within** – dentro de um determinado intervalo de datas
- >=** – maior ou igual a determinada data
- <=** – menor ou igual a determinada data



Atenção:
Só para SmartSearch!

- pa=**=**siemens
- ia=**==**“Monson Henry”
- ti **all** “paint brush hair”
- ti **any** “motor engine”
- pd **within** “2005 2006”
- pd **>=** 2005
- pd **<=** 2005



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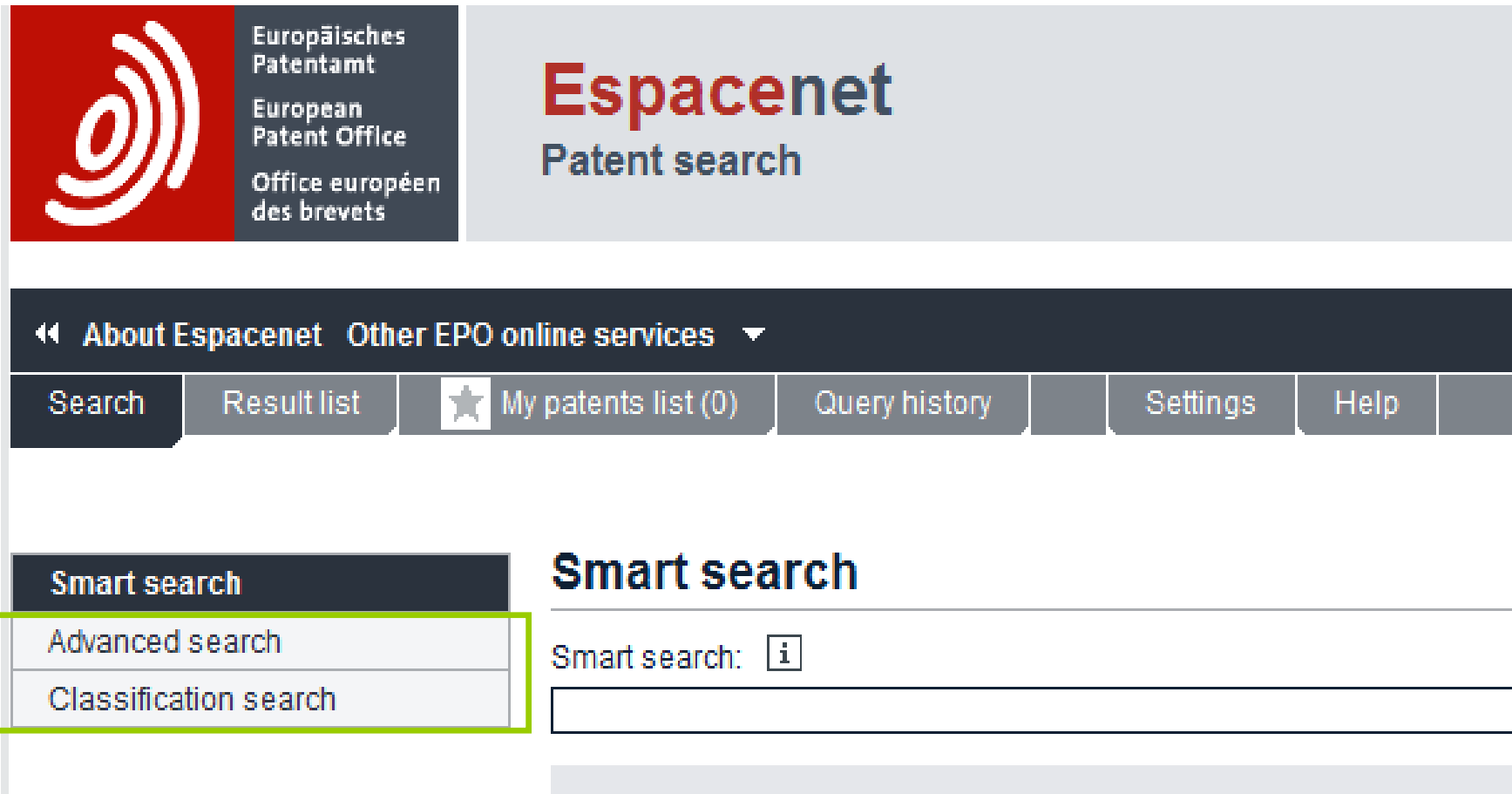
Smart search: Siemens EP 2007

Clear Search

- SmartSearch: **i** Siemens EP 2007
- SmartSearch: **i** Siemens EP 2007
- SmartSearch: **i** Siemens EP 2007

Field identifier	Description	Examples
in	inventor	in=smith
pa	applicant	pa=siemens
ti	title	ti="mouse trap"
ab	abstract	ab="mouse trap"
pr	priority number	pr=ep20050104792
pn	publication number	pn=ep1000000
ap	application number	ap=jp19890234567
pd	publication date	pd=20080107 OR pd="07/01/2008" OR pd=07/01/2008
ct	citation/ cited document	ct=ep1000000
ec	european classification	ec="A61K31/13"
ci	ipc core and invention information	ci=A63B49/02

cn	ipc core and additional information	cn=A63B49/02
ai	ipc advanced and invention information	ai= A63B49/08
an	ipc advanced and additional information	an=A63B49/08
ia	inventor and applicant	ia=Apple OR ia="Ries klaus"
ta	title and abstract	ta="laser printer"
txt	title, abstract, inventor and applicant	txt=microscope lens
num	application, publication and priority number	num=ep1000000
c	ci and cn	c=A63B49/02
a	ai and an	a=A63B49/08
ipc	all current and former versions of the IPC	ipc=A63B49/08
cl	ipc and ec	cl=C10J3



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- Advanced search
- Classification search

Smart search: ⓘ

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title:

Title or abstract:

Enter numbers with or without country code

Publication number:

Application number:

Priority number:

Enter one or more dates or date ranges

Publication date:

Enter name of one or more persons/organisations

Applicant(s):

Inventor(s):

Enter one or more classification symbols

CPC

IPC

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PT – Portugal

EP – Patente Europeia

WO – PCT

US – EUA

GB – Reino Unido

FR – França

DE – Alemanha

CN – China

KR – Coreia do Sul

JP – Japão

Publication number: **i**

WO2008014520

Application number: **i**

DE19971031696

Priority number: **i**

WO1995US15925



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⏪ ⏩ ⏴ ⏵ ⚠ i CPC ⏶ ⏷ ⏸ 2000 A »

Symbol	Classification and description	
<input type="checkbox"/> A	HUMAN NECESSITIES	S
<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	S i
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	S i
<input type="checkbox"/> D	TEXTILES; PAPER	S
<input type="checkbox"/> E	FIXED CONSTRUCTIONS	S
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	S i
<input type="checkbox"/> G	PHYSICS	S i
<input type="checkbox"/> H	ELECTRICITY	S i
<input type="checkbox"/> Y	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS-SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACs] AND DIGESTS	S i

2. Search terms

Enter keywords in English - ctrl-enter expands the field you are in

Keywords in title: i	
cancer vaccine	
Keywords in title or abstract: i	
Publication number: i	
Application number: i	
ep	
Priority number: i	
Publication date: i	
2010 2011 2012	

Clear

Search



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Result list

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13 results found in the Worldwide database for:
cancer vaccine in the title AND ep as the application number AND 2010 2011 2012 as the publication date

Sort by Sort order

← função SORT

1. **CANCER VACCINE**

★ Inventor: BIRNIE RICHARD [GB]	Applicant: PROCURE THERAPEUTICS LTD [GB]	EC: A61K39/00D6	IPC: A61K39/10	Publication info: EP2445524 (A1) 2012 -05-02	Priority date: 2009-06-23
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2. **VACCINE FOR CERVICAL CANCER**

★ Inventor: KIM HONG-JIN [KR] LEE NA GYONG [KR] (+4)	Applicant: EYEGENE INC [KR]	EC: A61K39/12	IPC: A61K39/00	Publication info: EP2444103 (A1) 2012 -04-25	Priority date: 2009-06-19
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3. **Universal tumor cell vaccine for anti cancer therapeutic and prophylactic utilization**

★ Inventor: FAKHRAI HABIB [US] SHAWLER DANIEL L [US]	Applicant: NOVARX [US]	EC: A61K39/00D6	IPC: A61K39/00 A61P35/00	Publication info: EP2404614 (A1) 2012 -01-11	Priority date: 2006-12-20
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Bibliographic data: EP2445524 (A1) — 2012-05-02

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CANCER VACCINE

Page bookmark [EP2445524 \(A1\) - CANCER VACCINE](#)

Inventor(s): BIRNIE RICHARD [GB] ±

Applicant(s): PROCURE THERAPEUTICS LTD [GB] ±

Classification: - international: [A61K39/10](#)

- European: [A61K39/00D6](#)

Application number: [EP](#) 20100734795 20100622

Priority number(s): WO2010GB01225 20100622; GB20090010751 20090623

Also published as: [📄 WO2010149963 \(A1\)](#) [📄 US2012100102 \(A1\)](#)

Abstract not available for EP2445524 (A1)

Abstract of corresponding document: WO2010149963 (A1)

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German



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We disclose a vaccine comprising a pappalysin and vaccine compositions comprising a pappalysin.

← **Resumo**

Description: EP2445524 (A1) — 2012-05-02

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CANCER VACCINE

Description not available for EP2445524 (A1)
Description of corresponding document: WO2010149963 (A1)

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Cancer Vaccine

The invention relates to a vaccine comprising a pappalysin and vaccine compositions comprising a pappalysin. Pappalysin is a secreted pregnancy associated metalloproteinase of molecular weight 181 kilodaltons which naturally exists as a disulphide linked homodimer which is expressed continually during pregnancy and is found in a complex with an inhibitor protein called eosinophil major basic protein in a 2:2 proteinase:inhibitor complex. A second form of the enzyme exists as pappalysin 2 [PappA2J which has a molecular weight of 198.5 kilodaltons, functions as a monomer and is preferentially expressed in the placenta and non pregnant mammary gland with low expression in the kidney, fetal brain and pancreas. The substrates for pappalysin are insulin like growth factor binding proteins [IGFBP] of which there are 6 different proteins. IGFBP 4 and 5 are the preferred substrates for pappalysin. PappA2 cleaves IGFBP 5 preferentially. IGFBPs are found tightly bound with insulin-like growth factor [IGF-1] which inhibits IGF-1 activity. IGF-1 is a 70 amino

EP2445524 (A1)

Bibliographic data

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Mosaics

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Claims not available for EP2445524 (A1)

Claims of corresponding document: WO2010149963 (A1)

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Claims tree

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Claims

1. A vaccine composition comprising a pappalysin polypeptide, or antigenic part thereof, and an adjuvant and/or carrier.
2. A composition according to claim 1 wherein the pappalysin polypeptide is represented by the amino acid sequences i

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CANCER VACCINE

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(11) Veröffentlichungsnummer:

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(11) Numéro de publication:

EP 2 445 524 A0

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EP F **10734795 A** (Patent of invention)

PRS Date : 2012/05/02

PRS Code : 17P

Code Expl.: + REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE : 20120120

PRS Date : 2012/05/02

PRS Code : AK

Code Expl.: + DESIGNATED CONTRACTING STATES:

KD OF CORRESP. PAT.: A1

DESIGNATED COUNTR. : AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Documentos com a mesma data de prioridade (geralmente são pedidos de patente, para a mesma invenção, apresentados pelo mesmo requerente, noutros *Offices*).

EP2445524 (A1)

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Family list: EP2445524 (A1) — 2012-05-02

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3 application(s) for: EP2445524 (A1)

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<input type="checkbox"/>	1. CANCER VACCINE					
★	Inventor: BIRNIE RICHARD [GB]	Applicant: PROCURE THERAPEUTICS LTD [GB]	EC: A61K39/00D6	IPC: A61K39/10	Publication info: EP2445524 (A1) 2012-05-02	Priority date: 2009-06-23
<input type="checkbox"/>	2. CANCER VACCINE					
★	Inventor: BIRNIE RICHARD [GB]	Applicant: PROCURE THERAPEUTICS LTD [GB]	EC: A61K39/00D6	IPC: A61K39/00 A61P35/00 A61P37/04	Publication info: US2012100102 (A1) 2012-04-26	Priority date: 2009-06-23
<input type="checkbox"/>	3. CANCER VACCINE					
★	Inventor: BIRNIE RICHARD [GB]	Applicant: PROCURE THERAPEUTICS LTD [GB] BIRNIE RICHARD [GB]	EC: A61K39/00D6	IPC: A61K39/10	Publication info: WO2010149963 (A1) 2010-12-29	Priority date: 2009-06-23

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PATENTS CITED IN THE SEARCH REPORT

1. STEM CELL MARKERS

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
MAITLAND NORMAN [GB]	PROCURE THERAPEUTICS LTD [GB]	C12Q1/68M6B	A61K39/00 A61P35/00	WO2007012811 (A2) 2007-02-01	2005-07-26
BRYCE STEVEN [GB]	MAITLAND NORMAN [GB] (+1)		C12Q1/68	WO2007012811 (A3) 2007-03-29	

2. METHOD OF TREATING PATIENTS WITH A MUCINOUS GLYCOPROTEIN (MUC-1) VACCINE

★ Inventor:	Applicant:	EC:	IPC:	Publication info:	Priority date:
LONGENECKER B MICHAEL [CA]	BIOMIRA INC [CA] LONGENECKER B MICHAEL [CA]	A61K31/739 A61K38/14	A61K38/16 A61K9/127 A61P35/00	WO2007015171 (A2) 2007-02-08	2005-06-28
		(+8)		WO2007015171 (A3) 2007-06-14	

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• Documentos que citam
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Original document: EP2420249 (A1) — 2012-02-22

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Vaccine immunotherapy for immune suppressed patients

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EP 2 420 249 A1



EUROPEAN SEARCH REPORT

Application Number
EP 11 18 3836

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 02/34119 A (IMMUNO -RX) 2 May 2002 (2002-05-02) * page 41 - page 44 *	1,3	INV. A61K39/39 A61K38/19 A61K39/00
X	WO 03/035004 A (IMMUNO-RX) 1 May 2003 (2003-05-01) * page 53 - page 56 *	1,3	
X	DUEÑAS-GONZALEZ A ET AL: "A pilot study of perilymphatic leukocyte cytokine mixture (IRX-2) as neoadjuvant treatment for early stage cervical carcinoma.", INTERNATIONAL IMMUNOPHARMACOLOGY JUN 2002, vol. 2, no. 7, June 2002 (2002-06), pages 1007-1011, XP002442178, ISSN: 1567-5760 * the whole document *	1	

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Y – documento que põe em causa atividade inventiva

A – documento que define o estado da técnica

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A2 – pedido publicado sem relatório de pesquisa

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★	Inventor: BIRNIE RICHARD [GB]	Applicant: PROCURE THERAPEUTICS LTD [GB]	EC: A61K39/00D6	IPC: A61K39/10
<input type="checkbox"/>	2. VACCINE FOR CERVICAL CANCER			
★	Inventor: KIM HONG-JIN [KR] LEE NA GYONG [KR] (+4)	Applicant: EYEGENE INC [KR]	EC: A61K39/12	IPC: A61K39/00
<input type="checkbox"/>	3. PEPTIDE INDUCING XAGE-1B-SPECIFIC IMMUNE REACTION AND UTILIZATION OF SAME			
★	Inventor: NAKAYAMA EIICHI [JP] OHUE YOSHIHIRO [JP]	Applicant: UNIV OKAYAMA NAT UNIV CORP [JP]	EC: A61K39/00D6 C07K14/47A34 (+2)	IPC: A61K39/00 A61P35/00 C07K14/82 (+1)

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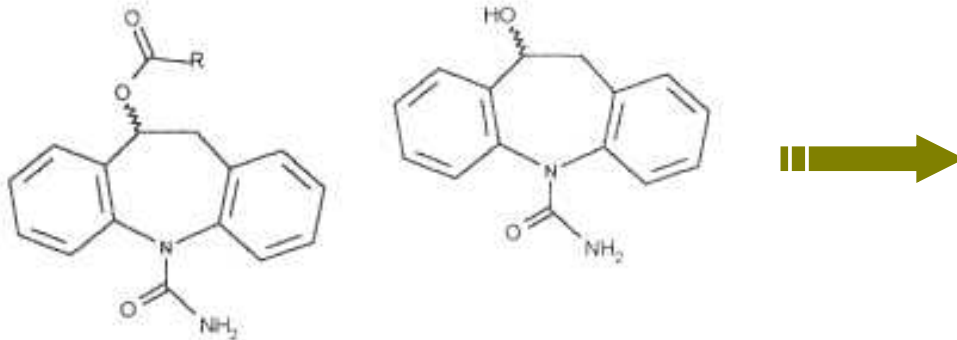
Inventor: BIRNIE RICHARD [GB]
 Applicant: PROCURE THERAPEUTICS LTD [GB]
 EC: [A61K39/00D6](#)
 IPC: A61K39/10
 Publication info: EP2445524 (A1)
 Priority date: 2009-06-23
 2012-05-02

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2	My patents list				
3	Displaying publications 1 - 4 as of 2012-07-20.				
4	Title	Publication number	Publication date	Inventor(s)	Applicant(s)
	CANCER VACCINE	EP2445524 (A1)	2012-05-02	BIRNIE RICHARD [GB]	PROCURE THERAPEUTIC [GB]
5	VACCINE FOR CERVICAL CANCER	EP2444103 (A1)	2012-04-25	KIM HONG-JIN [KR] LEE NA GYONG [KR]	EYEGENE INC [KR]

Exercício 1

1. Procurar “animal transgénico” (transgenic animal) no resumo.  **Quantos resultados são obtidos?**
2. Efectuar *refine search* e procurar apenas documentos de patente europeus.  **Quantos resultados são obtidos?**
3. Efectuar *refine search* e procurar datas de publicação entre 1986 e 1990.  **Quantos resultados são obtidos?**
4. Efectuar *refine search* e procurar *Harvard* como requerente.  **Quantos resultados são obtidos?
Qual o número da patente?
Foi concedida?**

Exercício 2



Encontrar o pedido de patente da molécula apresentada!

É uma molécula utilizada num medicamento para desordens no sistema nervoso central (*central nervous system disorders*), possui uma publicação de pedido de patente europeu e o titular da patente é a empresa Portela.

1. Quantos pedidos surgem?
2. Qual o número da patente? Foi concedida?
3. Quais os documentos citados?
4. Quais os documentos da família?

Exportar os documentos encontrados na pesquisa para o Excel.

Exercício 3

ECLA/IPC: C07K14/025

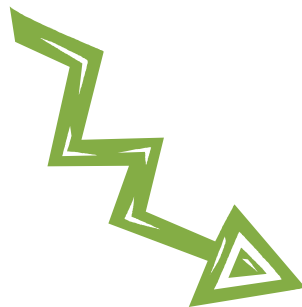


**Qual o significado desta
classificação?**

Sabendo que o objectivo desta invenção consiste numa vacina contendo o objecto da classificação anterior e sabendo ainda que o principal concorrente desta invenção é a Merck, consegue descobrir qual o número desta patente?

Resumo da patente:

Cell-mediated immune response to a papillomavirus infection can be induced by vaccination with DNA encoding papillomavirus E genes. E genes can both prevent the occurrence of papillomavirus disease, and treat disease states. Canine papillomavirus (COPV) E genes which are codon-optimized to enhance expression in host cells are also given.



Procurar veículos eléctricos

1. Inserir palavras-chave adequadas e usar os operadores booleanos e de truncagem.
 - a) Por exemplo, “*electric* and (car? or vehicle?)*” no título ou no resumo.
2. Refinar a pesquisa, restringindo o universo pesquisado, por exemplo, às patentes europeias.
 - a) No *écran* de resultados, premir “*Refine Search*”.
 - b) No campo “*Publication Number*”, escrever “*EP*”.
3. Procurar aspectos técnicos específicos, por exemplo, sobre a alimentação energética, usando classificação, IPC ou ECLA.
 - a) Para células de combustível, usar B60L 11/18 (IPC).
 - b) Para maior especificidade, voltar atrás e usar B60L 11/18L7 (ECLA), para detalhes sobre de estações de carregamento.

Procurar inventores portugueses na indústria do azeite e/ou na olivicultura

1. Inserir palavras-chave adequadas e usar os operadores booleanos e de truncagem.
 - a) Por exemplo, “*olive?*” no título ou no resumo.
2. Refinar a pesquisa, restringindo o universo pesquisado aos inventores portugueses (escrever “[*pt*]” no campo destinado ao inventor).
3. Ver quais as patentes ou pedidos de patente que reivindicam prioridade portuguesa nesta área (escrever “[*pt*]” no campo destinado à prioridade).

**OBRIGADA PELA
VOSSA ATENÇÃO!**



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