

#### Regional Seminar on the PCT and PATENTSCOPE for African Countries

Kigali, Rwanda 10-12 December 2018

Sandrine Ammann Marketing & Communications Officer



Practical case

#### Quiz

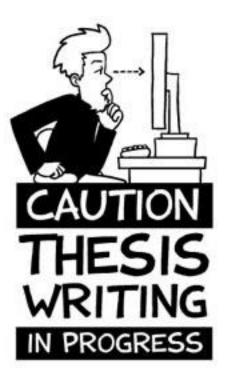
Exercices



#### **Practical case**













#### Information:

- Basic knowledge of how the invention works
- Name of the inventor
- City/country the inventor is from



#### Information:

- Basic knowledge of how the invention works: adjustement of lens strength by the wearer
- Name of the inventor: Joshua Silver
- City/country the inventor is from: Oxford UK



#### Strategy:

- Searching PATENTSCOPE using terms to describe technology
- finding out a possible patent classification code before starting the search
- Searching the bibliographic data using the inforamtion already available



Strategy:

Searching PATENTSCOPE using terms to describe technology

complicated + lots of not relevant results

WIPO WORLD INTELLECTUAL PROPERTY ORGANIZATION

#### Strategy:

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#### Strategy:

- Searching PATENTSCOPE using terms to describe technology
- finding out a possible patent classification code before starting the search
- Searching the bibliographic data using the information already available





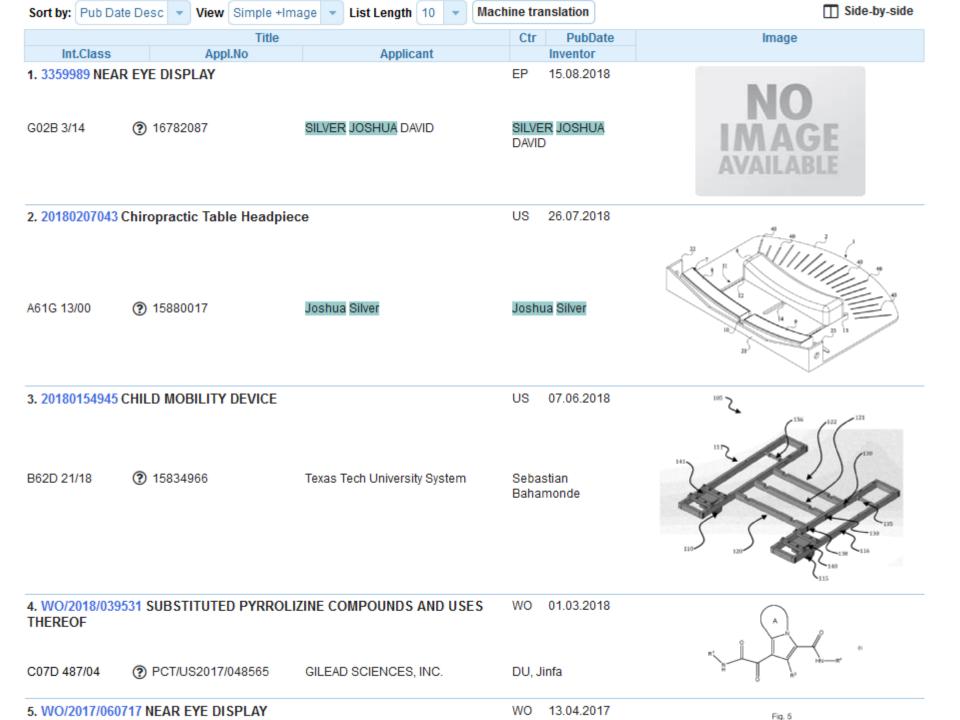
# PATENTSCOPE

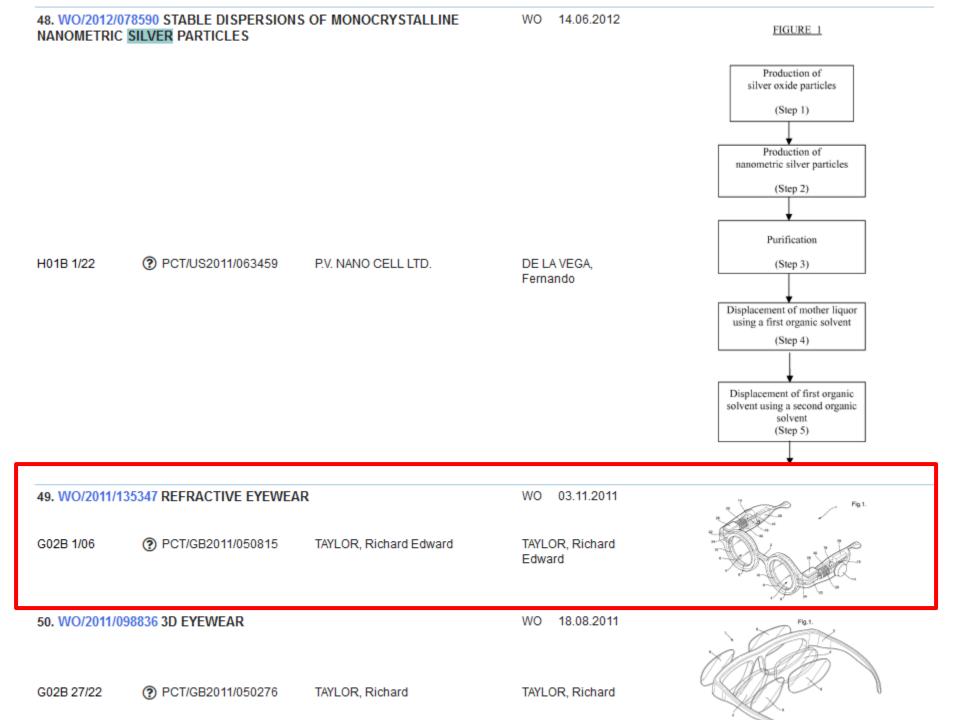
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Using PATENTSCOPE you can s information can be found here		3.5 million published international patent applications (	PCT). Detailed coverage
Names 🔻 joshua silver		0	Office:All Q Search
PCT Publication 48/2018	(29.11.2018) is now available. The next public	ation date is scheduled as follows: Gazette number 49/	2018 (06.12.2018). More

Results 1-10 of <mark>170</mark> for <u>Criteria:</u> ALL	NAMES:(joshua silver	) <u>Office(s):</u> all <u>Language</u>	:EN <u>Stemming:</u> true			¥	
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Int.Class	Simple +Image		App	licant		Inventor	
. 3359989 NEAR EYE DISPLAY	All				EP	15.08.2018	
G02B 3/14 ⑦ 1 <sup>6</sup>	All +Image	SILVE	R JOSHUA DAVID		SILVER JOSHUA DAVID		
near eye display comprising: a di <sup>3</sup> wherein the display device is arran ght from the waveguide towards a <sup>10</sup> Providing the images are transmitte as if they were overlaid on top of on lifferent images. In this way the time	Image Sers eye, wherein und d in sufficiently quick s e another. As the brair	<sup>e</sup> waveguide via the er <sup>c</sup> lisplay device is arra succession, the brain w h is good at pattern reco	try diffractive element aged to output images ill not perceive them a gnition, it can compe	as separate images, but will nsate for any minor misalign	ve eleme two or mo instead e ments tha	nt is arranged to direct ore different colours. ssentially merge them at occur between the	
2. 20180207043 Chiropractic Tab	le Headpiece				US	26.07.2018	
A61G 13/00 🕐 15	5880017	Joshi	a Silver		Joshua S	Silver	
The chiropractic table headpiece is a plate, an upper elongated headrest, headrest and the lower elongated he elongated headrest includes a centr guide the upper elongated headrest arm, and a second a lateral arm in o	a lower elongated he eadrest. The upper elo al groove which accor and the lower elonga	adrest, at least one firs ongated headrest and t mmodates an ear of the ted headrest, respectiv	track, and at least on the lower elongated h patient. The at least aly. The apparatus fur	e second track. The base pla eadrest support and guide th one first track and the at leas	ate upholo e head of t one sec	ds the upper elongated f the patient. The lower cond track direct and	

3. 20180154945 CHILD MC	BILITY DEVICE		US	07.06.2018
B62D 21/18	15834966	Texas Tech University System	Sebasti	an Bahamonde

A toddler mobility system and apparatus comprising a chassis, two casters attached to the front of the chassis, two wheels attached to a rear of the chassis, a first motor operably connected to another of the at least two wheels a battacking of the stress two wheels a battacking of the stress two wheels attached to supply connected to another of the at least two wheels a battacking of the stress two wheels attached to supply connected to another of the stress two wheels a battacking of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to another of the stress two wheels attached to supply connected to supply





PCT Biblio. Data	Description	Claims	Drawings	National Phase	Notices	Documents	
Latest bibliograph	ic data on file with	the Internatio	onal Bureau				PermaLink 📾
Pub. No.: Publication Date:	WO/2011/135347 03.11.2011		nal Application nal Filing Date:	No.: PCT/GB2011/0 26.04.2011	50815		
IPC:	G02B 1/	/ <b>06</b> (2006.01	) , <b>G02B 3/14</b> (2	006.01) , <b>G02B 26/02</b>	(2006.01) , <b>G</b>	02C 7/08 (2006.0	01) 🕐
Applicants: Inventors:	CROSB' READIN SILVER, STOREY TAYLOR CROSB' READIN SILVER,	Y, David Nich G, Owen Flet Joshua [GB	olas; GB cher; GB	GB (UsOnly) GB (UsOnly) nly)			
Agent:	DEHNS;	St Bride's H	ouse 10 Salisb	ury Square London E	C4Y 8JD, GB		
Priority Data:	100691						
Title		FRACTIVE E' NETTE RÉFF					
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PCT Biblio. Data	Description	Claims	Drawings I	National Phase	Notices	Docum	ents				
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Pub. No.: W	0/2011/135347	Internationa	Application No	D.: PCT/GB2011/0	50815						
IPC:	G02B 1/00	6 (2006.01) ,	G02B 3/14 (2006	6.01) , <b>G02B 26/02</b> (	(2006.01) , <b>GO</b>	02C 7/08 (	2006.01) 🝞				
Applicants:	CROSBY, READING, SILVER, J	David Nichola Owen Fletch oshua [GB/G	ard [GB/GB]; GB as [GB/GB]; GB ner [GB/GB]; GB B]; GB (UsOnly) [NZ/GB]; GB (Us	(JsOnly) JsOnly)							
Inventors:	TAYLOR, F CROSBY, READING, SILVER, J	Richard Edwa David Nichola Owen Fletch Ioshua; GB Gregor Allan;	ard; GB as; GB ner; GB	,,,,,							
Agent:	DEHNS; St	t Bride's Hou	se 10 Salisbury	quare London E	C4Y 8JD, GB						
Priority Data: Title	(EN) REFR	6 26.04.20 RACTIVE EYE	WEAR								
Abstract:	comprises adjusting capturing for recordi (FR) L'inve par un util puissance la lentille à données i	s one or more the power of data represe ing or transmention concen lisateur huma e variable (4), à puissance représentant	e variable power the variable pow ntative of said a litting the captur ne un appareil o ain, qui compren , un moyen (10) variable (4), un r	otique (1) destiné ni une ou plusieur: our ajuster la pui r oyen (26) pour ca nts, et un moyen	is (10) for s (26) for neans (28) à être porté is lentilles à issance de apturer des	2 22 24 10				Fig.1.	
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6 PCT	T Publicat	tion 48	2018 (2)	9.11.2018	) is now	v avai	ilable Th		d nul	blicatio	on da

2





### How to build a query to retrieve:

published PCT applications between 2000 and 2008
with Swiss or American inventor
by the company Kudelski





Kudelski AND Swiss AND American AND 2000 AND 2008



IN:Kudelski AND INA: Swiss AND American AND DP: 2000 TO 2008



IADC: (CH OR US) AND PA:Kudelski AND DP: [2000 TO 2008]



CTR: Swiss OR America AND IN: Kudelski AND 2000-2008





Kudelski AND Swiss AND American AND 2000 AND 2008



IN:Kudelski AND INA: Swiss AND American AND DP: 2000 TO 2008

IADC: (CH OR US) AND PA:Kudelski AND DP: [2000 TO 2008]



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#### **Correct** answer

- with Swiss or American inventors = Inventor Nationality
   IADC
- by the company Kudelski = Applicant name > PA

IADC: (CH OR US) AND PA:Kudelski AND DP: [2000 TO 2008]



#### Incorrect answers

- CTR: Swiss OR America AND IN: Kudelski AND 2000-2008
- CTR= collections, missing (..), IN= inventor, missing [...]
- IN:Kudelski AND INA: Swiss AND American AND DP: 2000 TO 2008
- IN= inventor name, INA= inventor all data, missing [...]
- Kudelski AND Swiss AND American AND 2000 AND 2008

No indication of fields so PATENTSCOPE does not know where to look for the information



Find inventions about cancer biomarkers, after 2010 in the JP national collection – without knowing 1 word of Japanese!

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Home > IP Services > PATENTSCOPE	
Advanced Search	Ē
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すみません、日本語がしゃべれません。

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#### 1. Open notepad





#### 2. Select relevant fields

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**3. Select search syntax** 

WORLD INTELLECTUAL PROPERTY ORGANIZATION				
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Simple Search		Data Coverage		User Guide: Cross Lingual Expansion
Using PATENTSCOPE you can search 70 million patent documents including 3.4 million published		FAQ		User Guide: Chem Search
information can be found here (->)		Feedback&Contact		Query Syntax
		INID codes		Fields Definition
Front Page		Kind codes		Country Code
		Tutorials		
New Chemical Structure Search functionality		About •		
PCT Publication 25/2018 (2018/06/21) is now available. The next publication date is scheduled	l as fo	bllows: Gazette number 26/2018 (2018/0	6/28	). More



Documents from the Japanese National Collection CTR: JP

Documents published after 2010 DP: [2010 TO 2018]

Documents relating to biomarkers for cancer JA\_CL:( (biomarker) NEAR10 (cancer))





#### 4. Write the search in the Notepad

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Query Language: English	
Expansion Mode: Automatic	
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Submit Query	



#### 5a. Enter keywords

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Query	
biomarker	
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Precision 0 4 Recall	
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#### 5b. Choose technical domains

ry Domains [CHEM,FOOD,MEAS]			
[ELEC] Electrical Engineering & Electronics [ENGY] Energy, Fuels & Heat Transfer Eng [ENVR] Environmental & Safety Engineering [GENR] Generalities, Language, Media & Info Sci [HOME] Home Contents & Household Maintenance [HORO] Precision Mechanics, Jewelry & Horology [MANU] Manufacturing & Materials Handling Tech [MARI] Marine Engineering [MECH] Mechanical Engineering [MEDI] Medical Technology	Add Remove	[CHEM] Chemical & Materials Technology [FOOD] Foods & Food Technology [MEAS] Standards, Units, Metrology & Testing	
[MED] Medical rechnology [METL] Metallurgy [MIL] Military Technology [MINE] Mining, Oil & Gas Extraction & Minerals [NANO] Nano Technology			

#### **5c.** Choose variants

Input search terms					
Term 1: biomarker					
Variants Domains [CHEM,FOOD,MEAS,MED]					
		_			
Keep term untranslated when expanding query in other languages					
Less 0	4 More				
biological label 🗹 biological marke	er 💌 🗹 biomarks	🔽 biological tags	<b>biomakers</b>	biological tracers	
Add Variant					
Translate Selected Terms			Back	Start Over	

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#### 5c variants for each keyword

Input search terms	
Term 1: electrical car	
Variants Domains [AUTO,ELEC,ENGY]	
Keep term untranslated when expanding query in other languages	
Less 0 4 More	
electric car electric automobile electric motor car electrocar electromotive car	
electric automotive electrically driven motor	
Add Variant	
Term 2: car	
Term 3: electrical	WORLD INTELLECTUAL PROPERTY
Translate Selected Terms Back	ORGANIZATION

#### 5d. Copy Japanese result





#### 6. Replace biomarker by Japanese characters

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OR	'生体マーカー" OR "に関与する生物学的マーカー" OR "た
生体	物質標識剤") NEAR10 ( <i>cancer</i> ) )

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#### 7. Repeat those steps for each keyword

Input search terms		
Term 1: cancer		
Variants Domains [AGRI,FOOD,MEAS,MEDI]		
Keep term untranslated when expanding	g query in other languages	
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☑ carcinomas ☑ tumor localisa	ation English Chinese IPC	Spanish 🛛 French 🖾 Italian 🖾 Japanese 🖄
Add Variant	"ガン" OR "腫瘍細胞" OR "癌腫" OR "癌およ	びそ"
		.t.



### 8. Replace cancer by Japanese characters

*

### 9. Ctrl C+ V and search

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*			Anal	ysis				
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		Title					Ctr	PubDate
Int.Class	Appl.No			plicant			JP	Inventor
1.2018504906 Y染色体(	のメチル化部位を削立腸	カンの診断用マーカ	しとりる使用				JF	22.02.2018
C12Q 1/68 @		ウーシー・シェン/ リミテッド	レイ・バイオーフ	ァーマシュー	-ティカルス	(・カンパニー・	孫英麗	
る。さらに詳しくは、本発	ě明は、疾患に関連する DY染色体のメチル化部	染色体のメチル化部	陀をスクリーニ	ングする方法	去及びその基	基準を確立すると	共に、前	断マーカとしての使用に関す 立腺ガンを例として、前立腺ガ ガンの診断マーカとして疾患の
2.2017538938 大腸癌の	<b>倹出及び処置方法</b>						JP	28.12.2017
G01N 33/574		ウイスコンシン・フ	アルムニ・リサー	チ・ファン	デーション		イバンシ	ック, メラニー・メイ
本発明は、大腸癌の患者> マーカーを提供する。 【選択図】図1	くは大腸癌を発症し易い	かも知れない患者に	おける低侵襲性	の同定、診り	新及び治療的	約入のために有	用な方法、	、試薬ならびに診断及び予後
3. 2017524196 コンテキン	ストフィーチャを用いた	画像解析システム					JP	24.08.2017
G06T 7/00	2017506348	ヴェンタナ メディ	カル システムズ,	インク			チャッカ	」、シュリーニヴァース
本開示内容は、生物学的調 のシステムは、プロセッサ						ジェクトを同定す	「るための	D画像解析システムに関し、こ

-デジタル画像中のオブジェクトを自動的に又は半自動的に同定するためにデジタル画像を解析すること(602);

### 10. Result list translation

Search Browse Translate Options News Login Help Home > IP Services > PATENTSCOPE Results 1-10 of 21 for <u>Criteria</u> :CTR:JP AND DP: [2010 TO 2018] AND JA_CL:{("バイオマーカー" OR "生体指標" OR "の生物マーカー" OR "生物学的 マーカー" OR "学的マーカー" OR "ための生物マーカー" OR "生体マーカー" OR "上体指標" OR "の生物学的マーカー" OR "生物物質標識剤") NEAR10 (" ガン" OR "腫瘍細胞" OR "癌誌よびそ")) Office(s):all Language:EN Stemming: true prev 1 2 3 next Page: 1 /3 Go> Refine CTR:JP AND DP: [2010 TO 2018] AND JA_CL:{("バイオマーカー" OR "生体指標" OR "の生物マーカー" OR "生物学的マーカー" OR "生物ういての" Search RESEARCH Instant Help ▼	e A
Results 1-10 of 21 for <u>Criteria</u> :CTR:JP AND DP: [2010 TO 2018] AND JA_CL:(("バイオマーカー" OR "生体指標" OR "の生物マーカー" OR "生物学的 マーカー" OR "学的マーカー" OR "ための生物マーカー" OR "生体マーカー" OR "に関与する生物学的マーカー" OR "た生体物質標識剤") NEAR10 (" ガン" OR "腫瘍細胞" OR "癌語" OR "癌話よびそ") ) <u>Office(s)</u> :all <u>Language</u> :EN <u>Stemming</u> : true prev 1 2 3 next Page: 1 / 3 Go> Refine CTR:JP AND DP: [2010 TO 2018] AND JA_CL:(("バイオマーカー" OR "生体指標" OR "の生物字のマーカー" OR "生物学的マーカー" OR." Search Instant Help I Sort by: Pub Date Desc View All List Length 10 Machine translation Title Wipo Translate Arabic Comman	æ
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早期、迅速な診断に使用することができる。     Portuguese       Russian	
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2. 2017538938 大腸癌の検出及び処置方法	
G01N 33/574 Ø ウイスコンシン・アルムニ・リサーチ・ファンデーション イバンシク, メラニー・メイ	
本発明は、大腸癌の患者又は大腸癌を発症し易いかも知れない患者における低侵襲性の同定、診断及び治療的介入のために有用な方法、試薬ならびに診断及び マーカーを提供する。 【選択図】図1	び予後
3. 2017524196 コンテキストフィーチャを用いた画像解析システム JP 24.08.2017	

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	nosome as diagnostic marker for prostate cancer	JP	22.02.2018	
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site of the y chromosome is used as a diagnostic associated with a disease and a method for esta	e with disease diagnosis # ki for the purpose of the present invention to use as c marker for the prostate cancer. More specifically, a method for screening a m blishing the criteria, to diagnose prostate cancer by using prostate cancer as a seening a methylation site of the y chromosome of the y chromosome, to provide	ethylation n examp	n site of a chromosome le (6つ) and a methylation site o	
2. 2017538938 Detection and treatment method	of colon cancer	JP	28.12.2017	
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	nvention, to identify low invasiveness in patients who may easily develop patie tervention, to provide reagents and diagnostic and prognostic markers	nts with o	colon cancer or colon cancer,	

protein biomarkers in the biological sample.

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(a fa di e) vi if cc	) assaying a biolo ctor receptor, leu peptidylpeptidase tracellular supero tronectin; (b) a bio	cine - rich alpha -2 g 4, peptidase inhibit oxide dismutase [Cu ological sample one ) 1 or or level of a pl fying	he patient with r glycoprotein, intr ors 16, coagula -Zn], thrombosy if in Determines	respect to one of ter - alpha tryps ation factors V, i pondin -4 be co s the level of a	or more protein l in inhibitor heav C-reactive prote ollagen alpha -1 plurality of types	biomarke y chain 3 in, Rho -( (I) chain, s of protei	
Le	esions before - Th	ne method of claim 1	including a ca	ncerous conditi	ion.		
It	lesions dysplasia	tissue, the abnorma	al shadow 窩又	The method of	claim 2 includin	g benign	polyps.
т	ne method of clair	m 1 lesion containing	g polyp formatic	on.			
т	ne method of clair	m 4 polyps are aden	omatous.				
т	ne method of clair	m 4 polyps are carci	nomas.				
т	ne method of clair	m 6 carcinomas are	classified as St	tage 1, Stage 2	, Stage 3 or Stag	je 4.	
bi		nts with Stage 3 or 9					aring with the reference level of the one or more protein method of claim 6 to identify carcinomas stage 1, and
TI	ne method of clair	m 1 biological sampl	e is blood, seru	ım, plasma, uri	ne, feces or saliv	/a.	
(b (c	) a synthetic pept ) physical separa	ne or more synthetic tide combined with th tion method in comb n 1 for assaying a bio	he biological sa	ample; and ed to		biomarke	ars;
0	ne or method of o	claim 10 for selecting	j a synthetic pe	ptide from mor	e peptides accor	ding to a	any one of SEQ ID NO: 1 to SEQ ID NO: 91.
І ті	ne method of clair	m 10 of one or more	peptides listed	in Table 2 to s	elect the synthe	ic peptid	les.
] ті	ne method of clair	m 10 physical separa	ation method is	liquid chromat	ography.		
] ті	ne method of clair	m 10, the synthetic p	eptide isotope	labeled to.			
] 0	ne or method of c	laim 1 level determi	nation of a plur	ality of types of	protein biomark	ers comp	prises absolute quantification of the concentration of

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3. WO/2012/024302 BIOMARKERS OF	CANCER	WO	23.02.2012
G01N 33/53 @ PCT/US2011/047931	THE REGENTS OF THE UNIVERSITY OF COLORADO	FUJIT	TA, Mayumi

Disclosed is an IL-37 biomarker of cancer and methods of using the biomarker, including methods for diagnosis of cancer, methods of determining predisposition to cancer, methods of monitoring progression/regression of cancer, methods of assessing efficacy of compositions for treating cancer, as well as other methods based on the use of this cancer biomarker.

## **Results Analysis**

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РСТ	1142	G01N	1609	DELMAR PAUL	23	F. HOFFMANN-LA ROCHE AG	49	2008	108
European Patent	599	C12Q	1244	KLUGHAMMER	22	THE JOHNS HOPKINS UNIVERSITY	37	2009	146
Office		A61K	373	BARBARA		THE REGENTS OF THE UNIVERSITY OF	33	2010	168
Republic of Korea	196	C12N	260	DELMAR, Paul	20	CALIFORNIA		2011	188
Canada	160	C07K	247	LUTZ VERENA	20	CIPHERGEN BIOSYSTEMS, INC.	24	2012	211
Mexico	64	A61P	182	MCLOUGHLIN	19	DANA-FARBER CANCER INSTITUTE, INC.	23	2013	266
Japan	60	C40B	92	PATRICIA		NOVARTIS AG	22	2013	263
Russian Federation	57	G06F	92	KLUGHAMMER, Barbara	15	OSLO UNIVERSITETSSYKEHUS HF	18	2014	203
Spain	44	C07H	65	신동진	15	BAYER HEALTHCARE LLC	16	2015	247
China	31				14	GENENTECH, INC.	16		
Brazil	20	A61B	36	LUTZ, Verena		HOFFMANN LA ROCHE	16	2017	235
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