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Application number: [i](#) DE19971031696

Priority number: [i](#) WO1995US15925

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Applicant(s): [i](#) Institut Pasteur

Inventor(s): [i](#) Smith

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Siemens EP 2007

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Munich, 5 June 2013 -- In another significant move to break down the language barriers to technological information, the European Patent Office (EPO) and the Japan Patent Office (JPO) today announced the launch of the Japanese-English component of the EPO's automatic translation service [Patent Translate](#). This means more than a million Japanese patent documents available via the EPO's global patent database Espacenet can now be instantly translated into English free-of-charge at the click of a mouse. This major step offers access to Japanese patents in the full-text version, while Japanese inventors can read European patents in their own language.

"The launch of the Japanese-English machine translation tool is a major step forward for patent information," said EPO President Benoît Battistelli, at a bilateral meeting of the two offices today at the sidelines of the IP5 meeting in Cupertino, California. He continued: "Japanese is one of the leading languages of technology, and a lot of scientific knowledge, or what we call "prior art", resides in Japanese patents and patent documents, which are now freely available in English to engineers, inventors and scientists around the world. This will further

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10	
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5. [CN101979272](#)

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<input type="checkbox"/> B	PERFORMING OPERATIONS; TRANSPORTING	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> C	CHEMISTRY; METALLURGY	<input type="button" value="s"/>	<input type="button" value="i"/>
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<input type="checkbox"/> E	FIXED CONSTRUCTIONS	<input type="button" value="s"/>	
<input type="checkbox"/> F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> G	PHYSICS	<input type="button" value="s"/>	<input type="button" value="i"/>
<input type="checkbox"/> H	ELECTRICITY	<input type="button" value="s"/>	<input type="button" value="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	<input type="button" value="s"/>	<input type="button" value="i"/>



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What is the Cooperative Patent Classification system?

The Cooperative Patent Classification (CPC) system, in force from 1 January 2013, is a bilateral system which has been jointly developed by the EPO and the USPTO. It combines the best classification practices of the two offices.

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<input type="checkbox"/>	A	HUMAN NECESSITIES	
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<input type="checkbox"/>	C	CHEMISTRY; METALLURGY	
<input type="checkbox"/>	D	TEXTILES; PAPER	
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<input type="checkbox"/>	F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	
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Chemistry

<input type="checkbox"/> C01	INORGANIC CHEMISTRY (...) i
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<input type="checkbox"/> C11	ANIMAL AND VEGETABLE OILS, FATS, FATTY SUBSTANCES AND WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES (...) i
<input type="checkbox"/> C12	BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING i
<input type="checkbox"/> C13	SUGAR INDUSTRY (...) i
<input type="checkbox"/> C14	SKINS; HIDES; PELTS; LEATHER

Metallurgy

<input type="checkbox"/> C21	METALLURGY OF IRON
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<input type="checkbox"/> C23	COATING METALLIC MATERIAL; COATING MATERIAL WITH METALLIC MATERIAL (...); CHEMICAL SURFACE TREATMENT; DIFFUSION TREATMENT OF METALLIC MATERIAL; COATING BY VACUUM EVAPORATION, BY SPUTTERING, BY ION IMPLANTATION OR BY CHEMICAL

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<input type="checkbox"/> C01B	NON-METALLIC ELEMENTS; COMPOUNDS THEREOF; METALLOIDS OR COMPOUNDS THEREOF NOT COVERED BY SUBCLASS C01C	   
<input type="checkbox"/> C01C	AMMONIA; CYANOGEN; COMPOUNDS THEREOF (...)	 
<input type="checkbox"/> C01D	COMPOUNDS OF ALKALI METALS, i.e. LITHIUM, SODIUM, POTASSIUM, RUBIDIUM, CAESIUM, OR FRANCIUM (...)	 
<input type="checkbox"/> C01F	COMPOUNDS OF THE METALS BERYLLIUM, MAGNESIUM, ALUMINIUM, CALCIUM, STRONTIUM, BARIUM, RADIUM, THORIUM, OR OF THE RARE-EARTH METALS (...)	 
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<input type="checkbox"/> C01P	INDEXING SCHEME RELATING TO STRUCTURAL AND PHYSICAL ASPECTS OF SOLID INORGANIC COMPOUNDS	 

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C01F5/28	/low	✕
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« C01F3/00 C01F7/00 »

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<input type="checkbox"/> C01	INORGANIC CHEMISTRY (...)
<input type="checkbox"/> C01F	COMPOUNDS OF THE METALS BERYLLIUM, MAGNESIUM, ALUMINIUM, CALCIUM, STRONTIUM, BARIUM, RADIUM, THORIUM, OR OF THE RARE-EARTH METALS (...)
<input type="checkbox"/> C01F 1/00	Methods of preparing compounds of the metals beryllium, magnesium, aluminium, calcium, strontium, barium, radium, thorium, or the rare earths, in general
<input type="checkbox"/> C01F 3/00	Compounds of beryllium
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<input type="checkbox"/> C01F 5/04	•• by oxidation of metallic magnesium
<input type="checkbox"/> C01F 5/06	•• by thermal decomposition of magnesium compounds (...)
<input type="checkbox"/> C01F 5/08	••• by calcining magnesium hydroxide
<input type="checkbox"/> C01F 5/10	••• by thermal decomposition of magnesium chloride with water vapour
<input type="checkbox"/> C01F 5/12	••• by thermal decomposition of magnesium sulfate, with or without reduction
<input type="checkbox"/> C01F 5/14	• Magnesium hydroxide
<input type="checkbox"/> C01F 5/145	•• {Purification}
<input type="checkbox"/> C01F 5/16	•• by treating magnesia, e.g. calcined dolomite, with water or solutions of salts not containing magnesium
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<input type="checkbox"/> C01F 5/22	•• from magnesium compounds with alkali hydroxides or alkaline- earth oxides or hydroxides
<input type="checkbox"/> C01F 5/24	• Magnesium carbonates
<input type="checkbox"/> C01F 5/26	• Magnesium halides
<input checked="" type="checkbox"/> C01F 5/28	•• Fluorides
<input type="checkbox"/> C01F 5/30	•• Chlorides
<input type="checkbox"/> C01F 5/305	••• {Dehydrating ammonium or alkali magnesium chlorides, e.g. carnalite}
<input type="checkbox"/> C01F 5/32	••• Preparation of anhydrous magnesium chloride by chlorinating magnesium compounds
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<input type="checkbox"/> C01F 5/36	•• Bromides
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<input type="checkbox"/> C01F 5/40	• Magnesium sulfates (...)

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★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
		B82Y30/00	C01F5/28	CN103153862 (A)	2010-10-04
		C01F5/28	C09D7/12	2013-06-12	
		C01P2004/34	G02B1/11		
		(+4)			

2. **USE OF A KMGF3 COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
MOREL BERTRAND [FR] LEITE LORRAINE [FR] (+5)	COMURHEX SOC POUR LA CONVERSION DE L URANIUM EN METAL ET HEXAFLUORURE [FR] MOREL BERTRAND [FR] (+6)	B01D2251/306 B01D2251/402 B01D53/02 (+10)	B01D53/02 B01D53/68 B01J20/04 (+4)	WO2012168420 (A1) 2012-12-13	2011-06-09

3. **Method for the manufacture of magnesium fluoride sols and magnesium fluoride sol**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	SOLVAY [BE]	C01F5/28 C03C17/22 C03C2217/732 (+4)	C01F5/28 C03C17/22 C07C53/10 (+1)	EP2540667 (A1) 2013-01-02	2011-06-28

4. **Organosol Containing Magnesium Fluoride Hydroxide, and Manufacturing Method Therefor**

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SUGIMOTO TOSHIAKI [JP] SAKAMOTO TAMON [JP] (+1)	CENTRAL GLASS CO LTD [JP]	B82Y30/00 C01F5/28 C01P2002/72 (+8)	B32B15/04 B32B17/06 B32B18/00 (+4)	US2011003143 (A1) 2011-01-06	2008-02-25

5. **Organosol of fluoride colloidal particle and production method thereof**

WO2012168420 (A1)

Bibliographic data

- Description
- Claims
- Mosaics
- Original document
- Cited documents
- Citing documents
- INPADOC legal status
- INPADOC patent family

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Bibliographic data: WO2012168420 (A1) — 2012-12-13

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USE OF A KMGF3 COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE

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Applicant(s): COMURHEX SOC POUR LA CONVERSION DE L URANIUM EN METAL ET HEXAFLUORURE [FR]; MOREL BERTRAND [FR]; LEITE LORRAINE [FR]; MOCH LAURENT [FR]; DEMOURGUES ALAIN [FR]; CLARENC ROMAIN [FR]; TRESSAUD ALAIN [FR]; DURAND ETIENNE [FR] ±

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Application number: WO2012EP60875 20120608

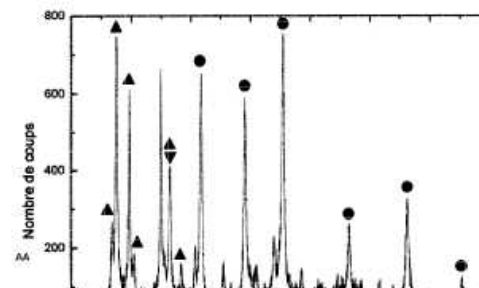
Priority number(s): [FR20110055055](#) [20110609](#)

Also published as: [FR2976281 \(A1\)](#)

Abstract of WO2012168420 (A1)

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The invention relates to the use of a compound having the formula $KMgF_3$ to trap metals in the form of fluorides and/or oxyfluorides in a gaseous or liquid phase. The invention also relates to a compound having the formula $KMgF_3$ and a specific surface area that is at least equal to $30 \text{ m}^2/\text{g}$ and at most equal to $150 \text{ m}^2/\text{g}$, as well as to the methods for preparing same. The invention can be used in particular in the nuclear industry, in which it can be advantageously used to purify uranium hexafluoride (UF_6) in a stream of gas or liquid with respect to metal impurities also in said stream.



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B01D 53/68 (2006.01) *B01J 20/04* (2006.01)
C01B 9/08 (2006.01) *C01G 43/06* (2006.01)
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1155055 9 juin 2011 (09.06.2011) FR

(71) Déposant (*pour tous les États désignés sauf US*) : COMURHEX SOCIETE POUR LA CONVERSION DE L'URANIUM EN METAL ET HEXAFLUORURE [FR/FR]; Zone Industrielle du Tricastin, F-26701 Pierrelatte (FR).

(72) Inventeurs; et

(75) Inventeurs/Déposants (*pour US seulement*) : MOREL, Bertrand [FR/FR]; 8 chemin Machinette, F-26130 Saint Paul Trois Chateaux (FR). LETTE, Lorraine [FR/FR];

Quartier Salivaud, F-07700 Saint Marcel d'Ardeche (FR). MOCH, Laurent [FR/FR]; 12 rue du dieu Mithra, F-07700 Bourg Saint Andeol (FR). DEMOURGUES, Alain [FR/FR]; 6 Allée du pin parasol, F-33600 Pessac (FR). CLARENC, Romain [FR/FR]; 379 la palanque d'arnaoune, Lesponne, F-65710 Beaudéan (FR). TRESSAUD, Alain [FR/FR]; 28 rue des Poilus, F-33600 Pessac (FR). DURAND, Etienne [FR/FR]; 9 rue Saint Sever, F-33440 Ambares Et Lagrave (FR).

(74) Mandataires : ILGART, Jean-Christophe et al.; Brevalex, 95 rue d'Amsterdam, F-75378 Paris Cedex 8 (FR).

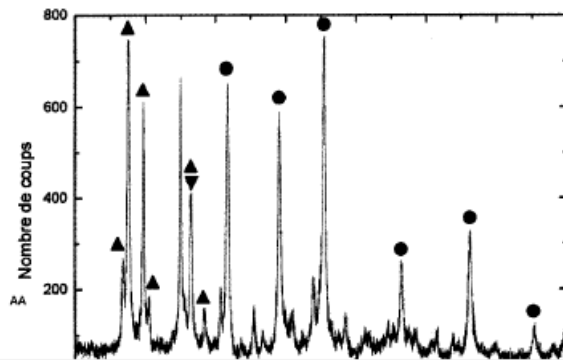
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[Suite sur la page suivante]

(54) Title : USE OF A $KMgF_3$ COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE

(54) Titre : UTILISATION D'UN COMPOSÉ $KMgF_3$ POUR PIÉGER DES MÉTAUX PRÉSENTS SOUS FORME DE FLUORURES ET/OU DOXYFLUORURES DANS UNE PHASE GAZEUSE OU LIQUIDE



(57) Abstract : The invention relates to the use of a compound having the formula $KMgF_3$ to trap metals in the form of fluorides and/or oxyfluorides in a gaseous or liquid phase. The invention also relates to a compound having the formula $KMgF_3$ and a specific surface area that is at least equal to $30 \text{ m}^2/\text{g}$ and at most equal to $150 \text{ m}^2/\text{g}$, as well as to the methods for preparing same. The invention can be used in particular in the nuclear industry, in which it can be advantageously used to purify uranium hexafluoride (UF_6) in a stream of gas or liquid with respect to metal impurities also in said stream.

(57) Abrégé : L'invention se rapporte à l'utilisation d'un composé de formule $KMgF_3$ pour piéger des métaux présents

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WO 2012/168420 A1(43) Date de la publication internationale
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BOID 53/02 (2006.01) *COIF 5/28* (2006.01)
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COIB 9/08 (2006.01) *COIG 43/06* (2006.01)
COID 3/02 (2006.01)Quartier Salivaud, F-07700 Saint Marcel d'Ardeche (FR).
MOCH, Laurent [FR/FR]; 12 rue du dieu Mithra, F-07700 Bourg Saint Andeol (FR). **DEMOURGUES, Alain** [FR/FR]; 6 Allée du pin parasol, F-33600 Pessac (FR). **CLARENC, Romain** [FR/FR]; 379 la palanque d'arnaoune, Lesponne, F-65710 Beaudean (FR). **TRESSAUD, Alain** [FR/FR]; 28 rue des Poilus, F-33600 Pessac (FR). **DURAND, Etienne** [FR/FR]; 9 rue Saint Sever, F-33440 Ambares Et Lagrave (FR).(21) Numéro de la demande internationale :
PCT/EP2012/060875(22) Date de dépôt international :
8 juin 2012 (08.06.2012)

(25) Langue de dépôt : français

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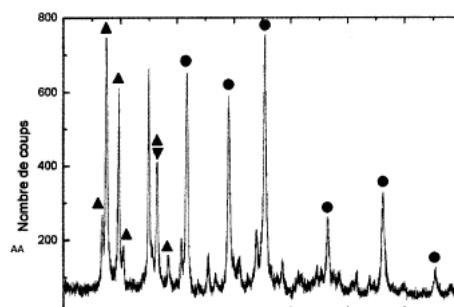
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[Suite sur la page suivante])

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8420 A1

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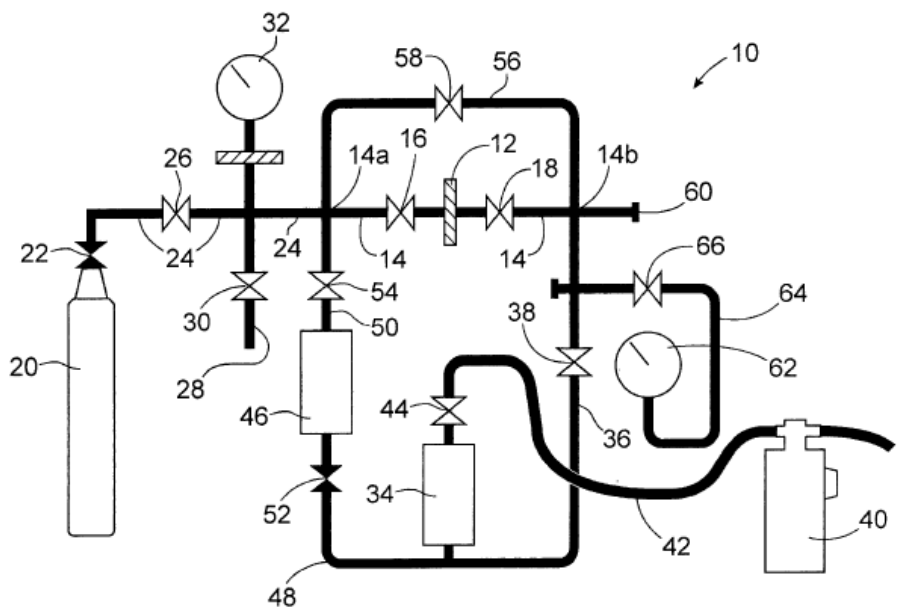


FIG.1

Záložky

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/060875

A. CLASSIFICATION OF SUBJECT MATTER
 INV. B01D53/02 B01D53/68 C01B9/08 C01D3/02 C01F5/28
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KRISHNA MURTHY ET AL: "Sol-gel-fluorination synthesis of amorphous magnesium fluoride", JOURNAL OF SOLID STATE CHEMISTRY, ORLANDO, FL, US, vol. 179, no. 3, 1 March 2006 (2006-03-01), pages 739-746, XP005300813, ISSN: 0022-4596, DOI: 10.1016/J.JSSC.2005.11.033	18
A	abstract page 740, column 1, paragraph 2.1 page 744, column 2, paragraph 3.4 - page 745, column 1, paragraph 3.4	1-17,19
X	GB 1 051 608 A (CHEMICALS & PHOSPHATES LTD.) 14 December 1966 (1966-12-14)	19
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WO F 2012060875 W (Patent of invention)

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Applicant(s) For all designated states
Comurhex Societe pour la Conversion de l'Uranium en Metal et Hexafluorure
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[N/P]

Inventor(s) 01 / MOREL, Bertrand
8 chemin Machinette

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specific surface area that is at least equal to 30 m²/g and at most equal to 150 m²/g, as well as to the methods for preparing same. The invention can be used in particular in the nuclear industry, in which it can be advantageously used to purify uranium hexafluoride (UF₆) in a stream of gas or liquid with respect to metal impurities, also in acid streams.








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1. USE OF A KMGF3 COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE

★	Inventor: MOREL BERTRAND [FR] LEITE LORRAINE [FR] (+5)	Applicant: COMURHEX SOC POUR LA CONVERSION DE L URANIUM EN METAL ET HEXAFLUORURE [FR]	CPC: B01D2251/306 B01D2251/402 B01D53/02 (+10)	IPC: B01D15/00 B01D53/64 B01D53/68 (+5)	Publication info: FR2976281 (A1) 2012-12-14	Priority date: 2011-06-09
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2. USE OF A KMGF3 COMPOUND FOR TRAPPING METALS IN THE FORM OF FLUORIDES AND/OR OXYFLUORIDES IN A GASEOUS OR A LIQUID PHASE

★	Inventor: MOREL BERTRAND [FR] LEITE LORRAINE [FR] (+5)	Applicant: COMURHEX SOC POUR LA CONVERSION DE L URANIUM EN METAL ET HEXAFLUORURE [FR] MOREL BERTRAND [FR] (+6)	CPC: B01D2251/306 B01D2251/402 B01D53/02 (+10)	IPC: B01D53/02 B01D53/68 B01J20/04 (+4)	Publication info: WO2012168420 (A1) 2012-12-13	Priority date: 2011-06-09
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Publication number: WO2008014520

Application number: DE19971031696

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 1. DRY COATED TABLET

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
KAWANO TETSUYA [JP]	TAKEDA PHARMACEUTICAL [JP]	A61K31/4439	A61K31/4439	WO2013081177 (A1)	2011-11-30
MIMA YASUSHI [JP]		A61K31/60	A61K31/60	2013-06-06	
(+1)		A61K9/209	A61K9/20		
		(+2)	(+1)		

 2. USE OF AN ACETYLSALICYLIC ACID SALT FOR THE TREATMENT OF VIRAL INFECTIONS

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
LUDWIG STEPHAN SCHEUCH GERHARD (+1)	ACTIVAERO GMBH [DE]	A61K31/19	A61K	HK1144553 (A1)	2008-01-14
		A61K31/197	A61P	2013-05-16	
		A61K31/616			
		(+1)			

 3. Intravenous Formulation with Water-soluble CoCrystals of Acetylsalicylic Acid and Theanine

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
BRITAIN HARRY [US]	THEAPRIN PHARMACEUTICALS INC [US]	A61K31/198	A61K9/00	US2013123218 (A1)	2009-05-08
FELICE PHILIP V [US]	THEAPRIN PHARMACEUTICALS INC [US]	A61K31/60		2013-05-16	
		A61K47/48			
		(+4)			

 4. CIGARETTE FILTER COMPRISING AN ADDITIVE

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
SOERENSEN BJOERN O [DE]	SOERENSEN BJOERN O [DE]	A24D3/14	A24D3/14	WO2013064693 (A2)	2011-11-04
				2013-05-10	

 5. Stable active compound complex of salts of o-acetylsalicylic acid with basic amino acids and glycine

★ Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
FRANCKOWIAK GERHARD [DE]	BAYER SCHERING PHARMA AG [DE]	A61K31/198	A61K31/198	TWI374740 (B)	2005-06-02
LEDWOCH WOLFRAM [DE] (+2)		A61K31/616	A61K31/60	2012-10-21	
		C07C227/42	A61P11/06		
		(+1)	(+1)		

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USE OF AN ACETYLSALICYLIC ACID SALT FOR THE TREATMENT OF VIRAL INFECTIONS

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Inventor(s): LUDWIG STEPHAN; SCHEUCH GERHARD; PLANZ OLIVER ±

Applicant(s): ACTIVAERO GMBH [DE] ±

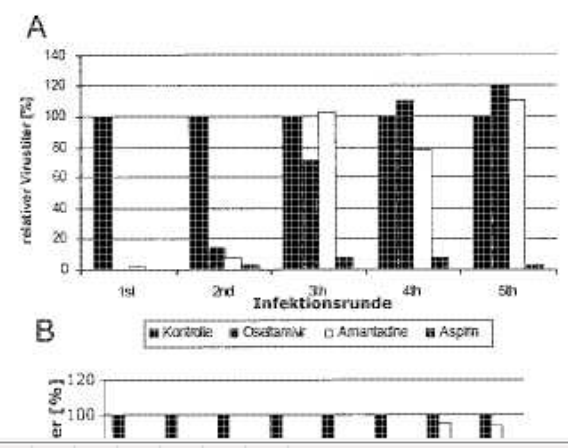
Classification:
 - international: **A61K; A61P**
 - cooperative: **A61K31/19; A61K31/197; A61K31/616; A61K9/008**

Application number: HK20100111089 20101129

Priority number(s): WO2009DE00033 20090114 ; DE20081004386 20080114

Also published as: [DE102008004386 \(A1\)](#) [US2012017892 \(A1\)](#) [SI2249866 \(T1\)](#) → [RU2010133870 \(A\)](#) [PT2249866 \(E\)](#) [MX2010007670 \(A\)](#) [KR20100103845 \(A\)](#) [JP2011509928 \(A\)](#) [HRP20120812 \(T1\)](#) [ES2392379 \(T3\)](#) [EP2249866 \(A2\)](#) [EP2249866 \(B1\)](#) → [DK2249866 \(T3\)](#) [WO2009089822 \(A2\)](#) [WO2009089822 \(A3\)](#) [CN101909650 \(A\)](#) [CA2714286 \(A1\)](#) [AU2009204574 \(A1\)](#) → [less](#)

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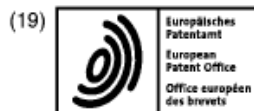
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(45) Veröffentlichungstag und Bekanntmachung des Hinweises auf die Patenterteilung:
15.08.2012 Patentblatt 2012/33

(51) Int Cl.:
A61K 45/06 ^(2006.01) **A61K 9/12** ^(2006.01)
A61P 31/16 ^(2006.01)

(21) Anmeldenummer: **09701974.9**

(86) Internationale Anmeldenummer:
PCT/DE2009/000033

(22) Anmeldetag: **14.01.2009**

(87) Internationale Veröffentlichungsnummer:
WO 2009/089822 (23.07.2009 Gazette 2009/30)

(54) **VERWENDUNG EINES ACETYLSALICYLSÄURESALZES ZUR BEHANDLUNG VIRALER INFEKTIONEN**

USE OF AN ACETYLSALICYLIC ACID SALT FOR THE TREATMENT OF VIRAL INFECTIONS

UTILISATION D'UN SEL D'ACIDE ACÉTYLSALICYLIQUE POUR LE TRAITEMENT D'INFECTIONS VIRALES

(84) Benannte Vertragsstaaten:
AT BE BG CH CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LU LV MC MK MT NL NO PL PT RO SE SI SK TR

(72) Erfinder:
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72108 Rottenburg (DE)

(30) Priorität: **14.01.2008 DE 102008004386**

(43) Veröffentlichungstag der Anmeldung:
17.11.2010 Patentblatt 2010/46

(74) Vertreter: **Vossius & Partner**
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(73) Patentinhaber: **Activaero GmbH**
35285 Gemünden (DE)

(56) Entgegenhaltungen:
WO 02/098228 WO 02/098228

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 35285 Gemünden / DE
 [2010/46]

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 Von-Esmarch-Strasse 56
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 02 / SCHEUCH, Gerhard
 Grüner Weg 7
 35288 Wohratal / DE
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 72108 Rottenburg / DE
 [2010/46]

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 [2012/33]

Application number, filing date 09701974.9 14.01.2009
 [2010/46]
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2009-701974	2249866	Platný dokument	A 61 K 45/06, A 61 K 9/12, A 61 P 31/16	Použití soli kyseliny acetylsalicylové pro ošetření virálních infekcí	Activaero GmbH

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	Datum registrace přihlášky v ÚPV:	14.01.2009
(33)	Země priority:	DE
(32)	Datum podání prioritní přihlášky:	14.01.2008
(31)	Číslo prioritní přihlášky:	102008004386
(54)	Název:	Použití soli kyseliny acetylsalicylové pro ošetření virálních infekcí
(71)/(73)	Příhlašovatel/Majitel:	Activaero GmbH, Wohraer Straße 37, 35285 Gemünden, DE
(72)	Původce:	LUDWIG, Stephan, Von-Esmarch-Strasse 56, 48149 Münster, DE SCHEUCH, Gerhard, Grüner Weg 7, 35288 Wohratal, DE PLANZ, Oliver, Wendelsheimer Str. 34, 72108 Rottenburg, DE
(74)	Zástupce:	Společná advokátní kancelář Všeťečka Zelený Švorčík Kalenský a partneři, JUDr. Michal Havlík, Hálkova 2, Praha 2, 12000
(40)	Datum zveřejnění přihlášky:	23.07.2009
	Stav řízení:	Platný dokument
	Druh:	EP - mezinárodní
(87)	Číslo zveřejněné PCT přihlášky (WO):	WO2009089822

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(96) Číslo evropské přihlášky: **EP 09701974.9**
(97) Datum zveřejnění evropské přihlášky: **23.07.2009**
(97) Číslo evropského patentu: **EP 2249866**
(97) Datum oznámení o udělení evropského patentu: **15.08.2012**
(30) Právo přednosti:
14.01.2008 DE 102008004386
(86) PCT číslo: **PCT/DE2009/000033**
(87) PCT číslo zveřejnění: **WO 2009/089822**
(47) Datum zveřejnění překladu evropského patentového spisu: **24.10.2012**
(Věstník č. 43/2012)

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CZ/EP 2 249 866 T3

- (51) Int. Cl.:
A 61 K 45/06 (2006.01)
A 61 K 9/12 (2006.01)
A 61 P 31/16 (2006.01)

- (73) Májitel patentu:
Activaero GmbH, 35285 Gemünden, DE
- (72) Původce:
LUDWIG, Stephan, 48149 Münster, DE
SCHEUCH, Gerhard, 35288 Wohratal, DE
PLANZ, Oliver, 72108 Rottenburg, DE
- (74) Zástupce:
Společná advokátní kancelář Všecka Zelený Švorčík Kalenský a partneři, JUDr. Michal Havlík, Hálkova 2,
12000 Praha 2

- (54) Název vynálezu:
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<input type="checkbox"/> A61K	PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (...)	
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<input type="checkbox"/> A61K 31/19	•• Carboxylic acids, e.g. valproic acid (...)	
<input type="checkbox"/> A61K 31/191	••• having two or more hydroxy groups, e.g. gluconic acid	
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<input type="checkbox"/> A61K 31/195	••• having an amino group	
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<input type="checkbox"/> A61K 31/197	•••• the amino and the carboxyl group being attached to the same acyclic carbon chain, e.g. gamma-aminobutyric acid (...), beta-alanine, epsilon-aminocaproic acid, pantothenic acid (...)	
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<input type="checkbox"/> A61K 31/201	•••• having one or two double bonds, e.g. oleic, linoleic acids	
<input type="checkbox"/> A61K 31/202	•••• having three or more double bonds, e.g. linolenic (...)	
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<input type="checkbox"/> A61K 31/19	•• Carboxylic acids, e.g. valproic acid (Salicylic acid A61K 31/60)	
<input type="checkbox"/> A61K 31/191	••• having two or more hydroxy groups, e.g. gluconic acid	
<input type="checkbox"/> A61K 31/192	••• having aromatic groups, e.g. sulindac, 2-arylpropionic acids, ethacrynic acid	
<input type="checkbox"/> A61K 31/194	••• having two or more carboxyl groups, e.g. succinic, maleic or phthalic acid	
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<input type="checkbox"/> A61K 31/197	••••• the amino and the carboxyl group being attached to the same acyclic carbon chain, e.g. gamma-aminobutyric acid (...), beta-alanine, epsilon-aminocaproic acid, pantothenic acid (...)	
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<input type="checkbox"/> A61K 31/20	••• having a carboxyl group bound to a chain of seven or more carbon atoms, e.g. stearic, palmitic, arachidic acids	
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Health; amusement

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<input type="checkbox"/> A61K 31/606	•• having amino groups	
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<input type="checkbox"/> A61K 31/609	•• Amides, e.g. salicylamide (...)	
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<input type="checkbox"/> A61K 31/612	•• having the hydroxy group in position 2 esterified, e.g. salicylsulfuric acid (...)	
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<input type="checkbox"/> A61K 31/616	••• by carboxylic acids, e.g. acetylsalicylic acid	
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<input type="checkbox"/> A61K 31/618	•• having the carboxyl group in position 1 esterified, e.g. salsalate	
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<input type="checkbox"/> A61K 31/621	••• having the hydroxy group in position 2 esterified, e.g. benorylate	
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<input type="checkbox"/> A61K 31/625	•• having heterocyclic substituents, e.g. 4-salicyloylmorpholine, (...)	
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« A61K9/00 A61K33/00 »

Symbol	Classification and description	
<input type="checkbox"/> A	HUMAN NECESSITIES	
Health; amusement		
<input type="checkbox"/> A61	MEDICAL OR VETERINARY SCIENCE; HYGIENE	
<input type="checkbox"/> A61K	PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (...)	
▲ <input type="checkbox"/> A61K 31/00	Medicinal preparations containing organic active ingredients	
<input type="checkbox"/> A61K 31/60	• Salicylic acid; Derivatives thereof	
<input type="checkbox"/> A61K 31/603	•• having further aromatic rings, e.g. diflunisal	
<input type="checkbox"/> A61K 31/606	•• having amino groups	
<input type="checkbox"/> A61K 31/609	•• Amides, e.g. salicylamide (...)	
<input type="checkbox"/> A61K 31/612	•• having the hydroxy group in position 2 esterified, e.g. salicylsulfuric acid (...)	
<input checked="" type="checkbox"/> A61K 31/616	••• by carboxylic acids, e.g. acetylsalicylic acid	
<input type="checkbox"/> A61K 31/618	•• having the carboxyl group in position 1 esterified, e.g. salsalate	
<input type="checkbox"/> A61K 31/621	••• having the hydroxy group in position 2 esterified, e.g. benorylate	
<input type="checkbox"/> A61K 31/625	•• having heterocyclic substituents, e.g. 4-salicyloylmorpholine, (...)	

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acetylsalicylic acid in the title or abstract AND **A61K31/616/low** as the Cooperative Patent Classification

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 1. USE OF AN **ACETYL SALICYLIC ACID** SALT FOR THE TREATMENT OF VIRAL INFECTIONS

★	Inventor: LUDWIG STEPHAN SCHEUCH GERHARD (+1)	Applicant: ACTIVAERO GMBH [DE]	CPC: A61K31/19 A61K31/197 A61K31/616 (+1)	IPC: A61K A61P	Publication info: HK1144553 (A1) 2013-05-16	Priority date: 2008-01-14
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 2. Stable active compound complex of salts of o-**acetylsalicylic acid** with basic amino **acid**s and glycine

★	Inventor: FRANCKOWIAK GERHARD [DE] LEDWOCH WOLFRAM [DE] (+2)	Applicant: BAYER SCHERING PHARMA AG [DE]	CPC: A61K31/198 A61K31/616 C07C227/42 (+1)	IPC: A61K31/198 A61K31/60 A61P11/06 (+1)	Publication info: TWI374740 (B) 2012-10-21	Priority date: 2005-06-02
---	---	---	---	---	---	-------------------------------------

 3. A COMBINED ORAL FORMULATION WITH CONTROLLED RELEASE OF **ACETYL SALICYLIC ACID** AND A METHOD FOR THE PREPARATION

★	Inventor: SAKOVA OIGA [SK] VLADOVICOVA BEATA [SK] (+3)	Applicant: ZENTIVA K S [CZ] SAKOVA OIGA [SK] (+4)	CPC: A61K31/167 A61K31/52 A61K31/616 (+4)	IPC: A61K31/167 A61K31/52 A61K31/616 (+2)	Publication info: WO2012159593 (A2) 2012-11-29 WO2012159593 (A3) 2013-01-17 WO2012159593 (A9) 2013-03-07	Priority date: 2011-05-25
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 4. STABLE SALT OF O-**ACETYL SALICYLIC ACID** WITH BASIC AMINO **ACID**

★	Inventor:	Applicant: BAYER PHARMA AG	CPC: A61K31/616 C07C229/26	IPC: A61K31/616 A61K45/00 A61K47/18 (+14)	Publication info: JP2012131824 (A) 2012-07-12	Priority date: 2000-07-18
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 5. ORALLY DISINTEGRATING TABLET

★	Inventor: MIMA YASUSHI [JP] KAWANO TETSUYA [JP] (+1)	Applicant: TAKEDA PHARMACEUTICAL [JP] MIMA YASUSHI [JP] (+2)	CPC: A61K31/4439 A61K31/616 A61K9/0056 (+2)	IPC: A61K31/4439 A61K31/616 A61K47/04 (+9)	Publication info: WO2012074110 (A1) 2012-06-07	Priority date: 2010-12-03
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<input type="checkbox"/>	1.	DIPYRIDAMOLE AND ACETYLSALICYLIC ACID FORMULATIONS AND PROCESS FOR PREPARING SAME				
	Inventor: BEN-MENACHEM AVSHALOM [IL] ZALIT ILAN [IL]	Applicant: TEVA PHARMA [IL] TEVA PHARMA [US] (+2)	CPC: A61K31/519 A61K31/616 A61K45/06 (+3)	IPC: A61K45/06 A61K9/16 A61K9/48 (+1)	Publication info: WO2010036975 (A2) 2010-04-01 WO2010036975 (A3) 2010-08-12	Priority date: 2008-09-25
<input type="checkbox"/>	2.	DIPYRIDAMOLE EXTENDED-RELEASE FORMULATIONS AND PROCESS FOR PREPARING SAME				
	Inventor: LEIBOVICI MINUTZA [IL] KANARI ITAMAR [IL] (+1)	Applicant: TEVA PHARMA [IL] TEVA PHARMA [US] (+3)	CPC: A61K31/519 A61K31/616 A61K45/06 (+7)	IPC: A61K31/519 A61K31/616 A61K9/16 (+5)	Publication info: WO2007092026 (A1) 2007-08-16	Priority date: 2006-02-09

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1. **A COMBINED ORAL FORMULATION WITH CONTROLLED RELEASE OF ACETYLSALICYLIC ACID AND A METHOD FOR THE PREPARATION**

<p>★ Inventor: SAKOVA OIGA [SK] VLADOVICOVA BEATA [SK] (+3)</p>	<p>Applicant: ZENTIVA K S [CZ] SAKOVA OIGA [SK] (+4)</p>	<p>CPC: A61K31/167 A61K31/52 A61K31/616 (+4)</p>	<p>IPC: A61K31/167 A61K31/52 A61K31/616 (+2)</p>	<p>Publication info: WO2012159593 (A2) 2012-11-29 WO2012159593 (A3) 2013-01-17 WO2012159593 (A9) 2013-03-07</p>	<p>Priority date: 2011-05-25</p>
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1. Novel pharmaceutically acceptable salts and cocrystals of 5-chloro-3-(4-methanesulfonylphenyl)-6'-methyl-[2,3']bipyridinyl and their therapeutic uses

★	Inventor: MILLER GARY [GB] RIDVAN LUDEK [CZ] (+2)	Applicant: ZENTIVA K S [CZ]	CPC: A61K31/444 C07D213/61	IPC: A61K31/444 C07D213/61	Publication info: EP2601952 (A1) 2013-06-12	Priority date: 2011-12-07
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2. MIXED SOLVATE OF TIOTROPIUM BROMIDE AND A METHOD OF ITS PREPARATION

★	Inventor: CERNA IGOR [SK] RIDVAN LUDEK [CZ] (+3)	Applicant: ZENTIVA K S [CZ]	CPC: C07D451/12	IPC: A61K31/46 A61P11/00 C07D451/12	Publication info: WO2013079040 (A1) 2013-06-06	Priority date: 2011-11-28
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3. Process for preparing and isolation of acid vardenafil salts

★	Inventor: HALAMA ALES [CZ] STRELEC IVO [CZ] (+1)	Applicant: ZENTIVA [CZ]	CPC: C07D487/04	IPC: C07B61/00 C07D295/26 C07D487/04	Publication info: CZ20110767 (A3) 2013-06-05 CZ303877 (B6) 2013-06-05	Priority date: 2011-11-24
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4. A METHOD OF PRODUCING CINACALCET

★	Inventor: VLASAKOVA RUZENA [CZ] HAJICEK JOSEF [CZ]	Applicant: ZENTIVA K S [CZ]	CPC: C07C209/16	IPC: C07C209/16	Publication info: WO2013075679 (A1) 2013-05-30	Priority date: 2011-11-25
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5. MICROORGANISM STRAIN RHIZOBIUM RADIOBACTER R89-1 CCM 7947 HYDROXYLATING CODEINE TO 14-OH-CODEINE AND 14-OH-CODEINONE

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
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