



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 01 96 3833 shall be considered, for the purposes of subsequent proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
D,X	YU MING ET AL: "Synthesis of prostaglandin E-2 ethanolamide from anandamide by cyclooxygenase-2" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 272, no. 34, 1997, pages 21181-21186, XP002308187 ISSN: 0021-9258	1,3,4, 6-8,11, 12	C12Q1/26 C12Q1/44 C12Q1/00 G01N33/53
Y	* abstract * Experimental Procedures * page 21184, column 1, line 2 - page 21186, column 2, line 22 *	2,5,10	
X	AU: Burstein SUMNER ET AL: "Putative metabolites of anandamide: activities and occurrence" Abstracts/ PROSTAGLANDINS AND OTHER LIPID MEDIATORS, BUTTERWORTH, STONEHAM, MA, US, vol. 59, no. 1-6, (1999-12-00) page 50 ISSN: 0090-6980 XP002308190 * abstract *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G01N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
INCOMPLETE SEARCH			
The Search Division considers that the present application, or some or all of its claims, does/do not comply with the EPC to such an extent that a meaningful search into the state of the art cannot be carried out, or can only be carried out partially, for the following claims:			
Claims searched completely :			
Claims searched incompletely :			
Claims not searched :			
Reason for the limitation of the search: see sheet C			
Place of search The Hague		Date of completion of the search 21 December 2004	Examiner Vanhalst, K
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

4
EPO FORM 1503 03.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
Y	BELVISI MARIA G ET AL: "Induction of cyclo-oxygenase-2 by cytokines in human cultured airway smooth muscle cells: Novel inflammatory role of this cell type" BRITISH JOURNAL OF PHARMACOLOGY, vol. 120, no. 5, 1997, pages 910-916, XP002308188 ISSN: 0007-1188 * abstract * Methods: Measurement of COX activity Discussion: par. 1-2 * figure 7 *	2,5	
Y	CREW TRACEY E ET AL: "A cyclooxygenase-2 (COX-2) selective non-steroidal anti-inflammatory drug enhances the growth inhibitory effect of butyrate in colorectal carcinoma cells expressing COX-2 protein: Regulation of COX-2 by butyrate" CARCINOGENESIS (OXFORD), vol. 21, no. 1, January 2000 (2000-01), pages 69-77, XP002308189 ISSN: 0143-3334 * abstract *	10	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
D,A	US 5 543 297 A (KENNEDY BRIAN P ET AL) 6 August 1996 (1996-08-06) * abstract * * column 5, line 30 - column 7, line 67 * * examples 1,2 * * claims 1-21 *	3,4,6-9, 11,12	
	----- -/--		



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	MITCHELL J A ET AL: "SELECTIVITY OF NONSTEROIDAL ANTIINFLAMMATORY DRUGS AS INHIBITORS OF CONSTITUTIVE AND INDUCIBLE CYCLOOXYGENASE" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 90, December 1994 (1994-12), pages 11693-11697, XP002032992 ISSN: 0027-8424 * abstract * Methods * page 11696, column 2, paragraph 5 - page 11697, paragraph 1; figure 3 * * figure 2 *	3,4,6-8, 11,12	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
D,A	US 5 475 021 A (MARNETT LAWRENCE J ET AL) 12 December 1995 (1995-12-12) * abstract *	10	
A	BARNETT J ET AL: "PURIFICATION, CHARACTERIZATION AND SELECTIVE INHIBITION OF HUMAN PROSTAGLANDIN G/H SYNTHASE 1 AND 2 EXPRESSED IN THE BACULOVIRUS SYSTEM" BBA - PROTEIN STRUCTURE AND MOLECULAR ENZYMOLOGIE, ELSEVIER SCIENCE BV, AMSTERDAM, NL, vol. 1209, no. 1, 1994, pages 130-139, XP008015747 ISSN: 0167-4838 * abstract *	1-12	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	BURSTEIN S H ET AL: "Oxidative metabolism of anandamide" PROSTAGLANDINS AND OTHER LIPID MEDIATORS, BUTTERWORTH, STONEHAM, MA, US, vol. 61, no. 1-2, April 2000 (2000-04), pages 29-41, XP004197448 ISSN: 0090-6980 * abstract * * page 31, line 27 - line 34 * * figure 3 *	1	
A	BISHOP-BAILEY DAVID ET AL: "Induction of cyclooxygenase-2 in human saphenous vein and internal mammary artery" ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY, vol. 17, no. 9, 1997, pages 1644-1648, XP008039588 ISSN: 1079-5642 * abstract *	1-12	TECHNICAL FIELDS SEARCHED (Int.Cl.7)



Although claims 5-9 are directed to a diagnostic method practised on the human/animal body (Article 52(4) EPC), the search has been carried out and based on those aspects of the claim referring to in vitro methods only.

Although claim 5 is directed to a method of treatment of the human/animal body (Article 52(4) EPC), the search has been carried out and based on those aspects of the claim referring to in vitro methods only.

Reason for the limitation of the search (non-patentable invention(s)):

Claims 5-9: Article 52 (4) EPC - Diagnostic method practised on the human or animal body

Further limitation of the search

Claim(s) searched incompletely:

11

Reason for the limitation of the search:

Present claim 11 relates to an extremely large number of possible compositions. In fact, the claims contain so many options, that a lack of clarity (and conciseness) within the meaning of Article 84 EPC arises to such an extent as to render a meaningful search of the claims impossible. Consequently, the search has been carried out for those parts of the application which do appear to be clear (and concise), namely the isotopic labels tritium, deuterium, carbon-13 and -14.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 96 3833

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-12-2004

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5543297	A	06-08-1996	AT 155811 T 15-08-1997
			AT 210826 T 15-12-2001
			AU 5690694 A 19-07-1994
			CA 2151231 A1 07-07-1994
			WO 9414977 A1 07-07-1994
			DE 69312513 D1 28-08-1997
			DE 69312513 T2 15-01-1998
			DE 69331340 D1 24-01-2002
			DE 69331340 T2 22-08-2002
			DK 675964 T3 15-09-1997
			EP 1130110 A2 05-09-2001
			EP 0675964 A1 11-10-1995
			EP 0736769 A1 09-10-1996
			ES 2105611 T3 16-10-1997
			ES 2168436 T3 16-06-2002
			GR 3025111 T3 30-01-1998
			HK 1027471 A1 11-05-2001
			JP 8504584 T 21-05-1996
			JP 3573743 B2 06-10-2004
			JP 2004081211 A 18-03-2004
US 2003032789 A1 13-02-2003			
US 6362327 B1 26-03-2002			
-----	-----	-----	-----
US 5475021	A	12-12-1995	WO 9515163 A1 08-06-1995
-----	-----	-----	-----

专利名称(译)	检测cox-2活性和anandamide代谢物		
公开(公告)号	EP1307538A4	公开(公告)日	2005-03-02
申请号	EP2001963833	申请日	2001-08-07
[标]申请(专利权)人(译)	凡德比特大学		
申请(专利权)人(译)	范德比尔特大学		
当前申请(专利权)人(译)	范德比尔特大学		
[标]发明人	MARNETT LAWRENCE J KOZAK KEVIN R		
发明人	MARNETT, LAWRENCE, J. KOZAK, KEVIN, R.		
IPC分类号	C12Q1/26 G01N33/573 G01N33/574 G01N33/58 G01N33/88 C12Q1/00 C12Q1/44 G01N33/53		
CPC分类号	C12Q1/26 G01N33/573 G01N33/574 G01N33/57484 G01N33/57488 G01N33/58 G01N33/582 G01N33/88		
优先权	60/302975 2001-07-03 US 60/223665 2000-08-07 US		
其他公开文献	EP1307538B1 EP1307538A1		
外部链接	Espacenet		

摘要(译)

本发明一般涉及环加氧酶 (COX) , 更具体地涉及COX-2酶。本发明提供了用于测定受试者 (例如患者或细胞培养物) 样品中COX-2活性的组合物, 方法和制品 (试剂盒) 。本发明可用于监测临床环境中患者的炎症和癌症或其他疾病过程。

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC/CIP)
D, X	YU MING ET AL: "Synthesis of Prostaglandin E-2 ethanamide from anandamide by cyclooxygenase-2" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 272, no. 34, 1997, pages 21181-21186, XP002308187 ISSN: 0021-9258	1.3.4, 6-8, 11, 12	C12Q1/26 C12Q1/44 C12Q1/00 G01N33/53
Y	* abstract * Experimental Procedures * page 21184, column 1, line 2 - page 21186, column 2, line 22 *	2.5, 10	
X	AU: Burstein SUMNER ET AL: "Putative metabolites of anandamide: activities and occurrence" Abstracts/ PROSTAGLANDINS AND OTHER LIPID MEDIATORS, BUTTERWORTH, STONEHAM, MA, US, vol. 59, no. 1-6, (1999-12-00) page 50 ISSN: 0090-6980 XP002308190 * abstract *	1	
<p>The supplementary search report has been based on the last set of claims valid and available for search at the date of the search.</p> <p>INCOMPLETE SEARCH</p> <p>The Search Division certifies that the present application, or some or all of its claims, do(es) not comply with the EPC to such an extent that meaningful search into the state of the art cannot be conducted, or can only be carried out partially, for the following reason:</p> <p>Claims searched incompletely:</p> <p>Claims searched incompletely:</p> <p>Claims not searched:</p> <p>Reason for the limitation of the search: see sheet C</p>			<p>TECHNICAL FIELDS SEARCHED (H.C.I.P.)</p> <p>G01N</p>
4	Place of search The Hague	Date of completion of the search 21 December 2004	Examiner Vanhilst, K
<p>4</p> <p>DOWNSTREAM</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category Z: from within the search E: intermediate document</p> <p>T: theory or principle underlying the invention B: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons A: members of the same patent family, corresponding document</p>			