



European Patent
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**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 01 93 3006 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 (IPC)
X	US 5 674 688 A1 (KAUVAR LAWRENCE M [US] ET AL) 7 October 1997 (1997-10-07) * abstract * * column 2, line 21 - line 51 * * column 3, line 2 - line 5 * * column 4, line 1 - line 15 * * column 7, line 46 - line 53 * -----	1-22, 25-28	INV. C12Q1/46 G01N33/557 C12Q1/00
X	CHEMNITIUS J -M ET AL: "Mipafox differential inhibition assay for heart muscle cholinesterases: Substrate specificity and inhibition of three isoenzymes by physostigmine and quinidine" GENERAL PHARMACOLOGY, vol. 28, no. 4, 1997, pages 567-575, XP002425711 ISSN: 0306-3623 Page 568, section "Mipafox differential inhibition assay". * abstract * ----- -/--	1-28	TECHNICAL FIELDS SEARCHED (IPC) C12Q 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 Munich		Date of completion of the search 21 March 2007	Examiner Jacques, Patrice
CATEGORY OF CITED DOCUMENTS 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		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	

3
EPO FORM 1503 03.02 (P04C20)



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<p>IVANOV A N ET AL: "Comparative investigation of electrochemical cholinesterase biosensors for pesticide determination" ANALYTICA CHIMICA ACTA, vol. 404, no. 1, 10 January 2000 (2000-01-10), pages 55-65, XP002425712 ISSN: 0003-2670 * abstract * Page 57, section 2.2.1</p> <p style="text-align: center;">-----</p>	23,24,29	
X	<p>NYAMSI HENDJI A M ET AL: "ENZYME BIOSENSOR BASED ON A MICROMACHINED INTERDIGITATED, CONDUCTOMETRIC TRANSDUCER: APPLICATION TO THE DETECTION OF UREA, GLUCOSE, ACETYL- AND BUTRYLCHOLINE CHLORIDES" SENSORS AND ACTUATORS B, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. B21, no. 2, 1 August 1994 (1994-08-01), pages 123-129, XP000483718 ISSN: 0925-4005 * abstract * Page 124, section 2.2; page 125, section 2.3 and 2.4; page 127, section 3.3* figure 1 *</p> <p style="text-align: center;">-----</p>	23,24,29	<p>TECHNICAL FIELDS SEARCHED (IPC)</p>
A	<p>DURRANI M S ET AL: "SPECIFIC INHIBITORS AND SUBSTRATE STUDIES ON THE CHOLIN ESTERASES OF FASCIOLA-GIGANTICA FROM SHEEP AND GOATS" CELLULAR AND MOLECULAR BIOLOGY (OXFORD), vol. 29, no. 1, 1983, pages 49-52, XP009080791 ISSN: 0145-5680 * the whole document *</p> <p style="text-align: center;">-----</p>	1-29	



Claim(s) not searched:
30-31

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

Article 52 (2)(d) EPC - Presentation of information

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

EP 01 93 3006

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
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21-03-2007

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5674688	A1	NONE	

专利名称(译)	用于检测，测量和监测蛋白质的活性和浓度的测定法及其使用方法		
公开(公告)号	EP1283902A4	公开(公告)日	2007-05-02
申请号	EP2001933006	申请日	2001-05-04
申请(专利权)人(译)	美国军队医学研究和材料指令		
当前申请(专利权)人(译)	美国军队医学研究和材料指令		
[标]发明人	FEASTER SHAWN R GORDON RICHARD K DOCTOR BHUPENDRA P		
发明人	FEASTER, SHAWN, R. GORDON, RICHARD, K. DOCTOR, BHUPENDRA, P.		
IPC分类号	C12Q1/46 C12Q1/00 G01N33/557 G01N33/567 C12Q1/37 G01N33/53		
CPC分类号	C12Q1/005 C12Q1/46 G01N33/557 G01N33/567		
优先权	60/202201 2000-05-05 US		
其他公开文献	EP1283902A1		
外部链接	Espacenet		

摘要(译)

公开了用于检测，测量或监测具有相似或重叠特性的至少两种蛋白质的活性或浓度的测定法。该测定包括首先确定每种蛋白质的底物的灵敏度系数。该方法可用于检测，测量或监测测试样品中AChE，BChE或两者的活性和浓度，该测试样品可以是完整的和未加工的血液或组织。还公开了使用该测定法检测受试者暴露于影响胆碱酯酶的药剂，确定治疗的功效或进展，确定针对暴露于影响胆碱酯酶的药剂或两者的保护量的方法，筛选受试者的方法对于具有药物敏感性或特定疾病，检测受试者的红细胞计数的变化，确定候选化合物是否影响胆碱酯酶。还公开了用于检测，测量或监测AChE，BChE或两者的活性和浓度的装置和试剂盒。图(1)是一张图表，说明AChE被小浓度的2-PAm抑制，脐和部分美国陆军目前的有机磷和农药中毒治疗方案，而BChE相对不受影响。

DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 5,674,688 A1 (KAUFAR LAWRENCE M [US] ET AL) / October 1997 (1997-10-07) * abstract * * column 2, line 21 - line 51 * * column 3, line 2 - line 5 * * column 4, line 1 - line 15 * * column 7, line 46 - line 53 *	1-22, 25-28
X	----- CHENNIUS J -M ET AL: "Mipafox differential inhibition assay for heart muscle cholinesterases: Substrate specificity and inhibition of three isoenzymes by physostigmine and quinidine" GENERAL PHARMACOLOGY, Vol. 28, no. 4, 1997, pages 567-575, XP002425711 ISSN: 0306-3623 Page 568, section "Mipafox differential inhibition assay". * abstract * -----	1-28 ----- /--
The search has been based on the last set of claims valid at the date of publication of the application.		
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Claims searched completely:		
Claims not searched:		
Reason for the limitation of the search: see sheet C		
Place of search	Date of publication of the search	Searcher
Munich	21 March 2007	Jacques, Patrice
CATEGORY OF CITED DOCUMENTS		
I: theory or principle underlying the invention		
D: document cited in the application		
A: technological background		
C: document cited for other reasons		
M: member of the same patent family, corresponding document		
P: intermediate document		