



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-29



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-29

evaluate binding of a ligand by using charcoal which has been pre-treated with the target protein of that ligand.

2. claims: 30-38

packed-bed cartridge, the packed-bed being charcoal.



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)
X	SABLONNIERE B ET AL: "Physicochemical Parameters Affecting the Charcoal Adsorption Assay for Quantitative Retinoid-Binding Measurement" ANALYTICAL BIOCHEMISTRY, vol. 217, no. 1, 1994, pages 110-118, XP002301419 ISSN: 0003-2697 * abstract * * page 115, right-hand column, paragraph 2 *	1-9	G01N33/537 G01N33/538 A61L9/00 G01N33/543 G01N33/50
X	----- KHURANA M ET AL: "Binding of centchroman with human serum as determined by charcoal adsorption method." INTERNATIONAL JOURNAL OF PHARMACEUTICS. 10 DEC 1999, vol. 192, no. 2, 10 December 1999 (1999-12-10), pages 109-114, XP002301420 ISSN: 0378-5173 * abstract * * page 110, left-hand column, paragraph 3 *	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01N
P,X	----- WO 02/44419 A (GILLIS KIMBERLY A ; WYETH CORP (US); ZHANG YIXIAN (US)) 6 June 2002 (2002-06-06) * example 2 *	10-29	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 19 October 2004	Examiner Cuendet, P
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	

专利名称(译)	使用木炭吸附快速测定配体 - 蛋白质结合的方法和装置		
公开(公告)号	EP1419389A4	公开(公告)日	2005-04-06
申请号	EP2002756633	申请日	2002-07-25
[标]申请(专利权)人(译)	北卡罗来纳大学查珀尔希尔分校		
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IPC分类号	A61P1/00 G01N33/543 G01N33/551 G01N33/537 A61L9/00 G01N33/50 G01N33/538		
CPC分类号	B01J20/20 B01J2220/62 G01N33/551		
优先权	60/307732 2001-07-25 US		
其他公开文献	EP1419389A2		
外部链接	Espacenet		

摘要(译)

一种评估配体与靶蛋白结合的方法。该方法包括以下步骤：(a) 提供包含靶蛋白和配体的样品，其中所述靶蛋白和配体被怀疑在复合物中可逆地结合在一起；(b) 用目标蛋白预处理活性炭；(c) 使样品与预处理过的活性炭接触足够长的时间，以使未结合的配体吸附到活性炭上；(d) 从活性炭中洗脱样品；(e) 确定洗脱样品中配体的量，从而评估该配体与靶蛋白的结合。还公开了可用于执行该方法的设备及其制造方法。

DOCUMENTS CONSIDERED TO BE RELEVANT		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Category	Citation of document with indication, where appropriate, of relevant passages		
X	SABLONNIERE B ET AL: "Physicochemical Parameters Affecting the Charcoal Adsorption Assay for Quantitative Retinoid-Binding Measurement" ANALYTICAL BIOCHEMISTRY, vol. 217, no. 1, 1994, pages 110-118, XP02301419 ISSN: 0003-2697 * abstract * * page 115, right-hand column, paragraph 2	1-9	G01N33/537 G01N33/538 A61L9/00 G01N33/543 G01N33/50
X	KHURANA M ET AL: "Binding of centchroman with human serum as determined by charcoal adsorption method." INTERNATIONAL JOURNAL OF PHARMACEUTICS, 10 DEC 1999, vol. 192, no. 2, 10 December 1999 (1999-12-10), pages 109-114, XP002301420 ISSN: 0378-5173 * abstract * * page 110, left-hand column, paragraph 3	1-9	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G01N
P, X	WO 02/44419 A (GILLIS KIMBERLY A ; WYETH CORP (US); ZHANG YIXIAN (US)) 6 June 2002 (2002-06-06) * exemplar 2	10-29	
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Date of search Munich		Date of completion of the search 19 October 2004	Examiner Cuendet, P
CATEGORY OF CITED DOCUMENTS			
X: particularly relevant if taken alone Y: particularly relevant if considered with another document of the same category A: technological background O: non-relevant document P: intermediate document T: theory or principle underlying the invention E: earlier patenting document, but published on, or after, the filing date of the application D: document cited for other reasons G: document of the same patent family, corresponding document			