



### 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:

1-27, 29-45



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: 1-27,29-45

A probe that is able to distinguish between functional and non-functional P2X7 receptor, methods of using the probe in the diagnosis and treatment of disease and pharmaceutical compositions.

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2. claim: 28

The use of one or more antibodies to diagnose irritable bowel syndrome.

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3. claims: 46-49

Pharmaceutical compositions and methods of treating or preventing a disease using one or more substances which regulate the expression of ATPases that control the supply of ATP to P2X7 receptors.

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Claim(s) searched incompletely:  
1-45

Reason for the limitation of the search:

Present claims 1-45 relate to compounds and methods defined by reference to a desirable characteristic or property, namely the ability to distinguish between active and inactive P2X7 receptors.

The claims cover all compounds and methods having this characteristic or property, whereas the application provides support within the meaning of Article 84 EPC and/or disclosure within the meaning of Article 83 EPC for only a very limited number of such compounds and methods. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 84 EPC). An attempt is made to define the compounds and methods by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the antibody disclosed in XXX and methods employing this antibody.



European Patent  
Office

**SUPPLEMENTARY  
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 02 71 5313  
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)
	No further relevant documents disclosed -----		C07K14/705 C07K16/28 A61K39/395 A61P35/00 A61P1/00
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			C07K
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
<b>INCOMPLETE SEARCH</b>			
<p>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:</p> <p>Claims searched completely :</p> <p>Claims searched incompletely :</p> <p>Claims not searched :</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search	Date of completion of the search	Examiner	
Munich	29 April 2005	Page, M	
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			

专利名称(译)	抗体非功能性p 2 x 7受体诊断和治疗癌症和其他疾病		
公开(公告)号	<a href="#">EP1360203A4</a>	公开(公告)日	2005-06-22
申请号	EP2002715313	申请日	2002-01-17
[标]申请(专利权)人(译)	英瑞特私人有限公司		
申请(专利权)人(译)	求求PTY LIMITED		
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发明人	GIDLEY-BAIRD, ANGUS BARDEN, JULIAN, ALEXANDER		
IPC分类号	G01N33/531 A61K39/00 A61K39/395 A61K45/00 A61P1/00 A61P31/04 A61P31/06 A61P31/12 A61P31/18 A61P35/00 A61P43/00 C07K14/705 C07K16/28		
CPC分类号	A61K2039/505 A61P1/00 C07K14/4747 C07K14/705 C07K16/28 G01N33/6872 G01N2800/065 C07K16/30 C07K16/3015 C07K16/3023 C07K16/3038 C07K16/3046 C07K16/3053 C07K16/3069 C07K2317/30 C07K2317/73		
优先权	2001PR2579 2001-01-17 AU 2001PR5890 2001-06-22 AU 2001PR5891 2001-06-22 AU 2001PR7430 2001-09-03 AU 2001PR7431 2001-09-03 AU		
其他公开文献	EP1360203B1 EP1360203A1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

提供了分离的P2X7受体，其包含与图1所示序列具有同源性的氨基酸序列，其中分离的P2X7受体的氨基酸序列含有对应于图1中所示的脯氨酸210的脯氨酸，所述脯氨酸位于顺式构象。