



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	PACKARD BEVERLY Z ET AL: "Profluorescent protease substrates: Intramolecular dimers described by the exciton model" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 93, no. 21, 1996, pages 11640-11645, XP002373165 ISSN: 0027-8424	1-16, 22-25, 27-31,34	INV. C12Q1/37 C12Q1/34 C12N1/21 C12N15/62 G01N33/53 G01N33/00 G01N21/76
Y	* the whole document *	17-21, 26,32,33	C12N5/10 C12N15/12 C12N15/63 C07K7/00
X	----- US 5 714 342 A (KOMORIYA ET AL) 3 February 1998 (1998-02-03)	1-16, 22-25, 27-31,34	
Y	* the whole document *	17-21, 26,32,33	
X	----- PACKARD B Z ET AL: "Characterization of fluorescence quenching in bifluorophoric protease substrates" BIOPHYSICAL CHEMISTRY, NORTH-HOLLAND, AMSTERDAM, NL, vol. 67, 1997, pages 167-176, XP002315690 ISSN: 0301-4622	1-16, 22-25, 27-31,34	TECHNICAL FIELDS SEARCHED (IPC) C12Q G01N C12N C07K
Y	* the whole document *	17-21, 26,32,33	

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 22 March 2006	Examiner Jacques, P
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, ooresponding 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			



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:

1-34



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: 1-34

An indicator composition comprising a polypeptide backbone or a nucleic acid backbone joining two chromophores of the same species whereby said chromophores form an H-dimer and methods for detecting protease and nuclease activity using the said composition.

2. claims: 35-40

A method of detecting the interaction of a first and a second molecule wherein the first chromophore is attached to the first molecule and the second chromophore is attached to the second molecule, said first and second chromophore are of the same species to form an H-dimer.

3. claims: 41-52

A method of detecting a change in conformation or cleavage of a macromolecule wherein the said macromolecule has attached two chromophores of the same species forming an H-dimer.

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

EP 01 99 8079

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.

22-03-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5714342 A	03-02-1998	AT 323779 T	15-05-2006
		AU 3897495 A	23-05-1996
		CA 2203758 A1	09-05-1996
		EP 0873417 A1	28-10-1998
		JP 3771262 B2	26-04-2006
		JP 10508471 T	25-08-1998
		WO 9613607 A1	09-05-1996
		US 5605809 A	25-02-1997

专利名称(译)	用于检测生物样品中酶活性的同源双标记的组合物		
公开(公告)号	EP1356084A4	公开(公告)日	2006-08-02
申请号	EP2001998079	申请日	2001-12-21
[标]申请(专利权)人(译)	ONCOIMMUNIN		
申请(专利权)人(译)	ONCOIMMUNIN INC.		
当前申请(专利权)人(译)	ONCOIMMUNIN INC.		
[标]发明人	PACKARD BEVERLY S KOMORIYA AKIRA		
发明人	PACKARD, BEVERLY, S. KOMORIYA, AKIRA		
IPC分类号	C07K7/06 C07K7/08 C12N1/21 C12N15/12 C12Q1/37 C12Q1/44 G01N33/533 G01N33/542 A61K38/00 C07D239/00 C07H5/04 C07H21/04 C07K7/00 C07K19/00 C12N5/10 C12N15/62 C12N15/63 C12Q1/34 G01N21/76 G01N33/00 G01N33/53		
CPC分类号	C07K7/06 C07K7/08 C12Q1/37 C12Q1/44 G01N33/533 G01N33/542 G01N2333/918 G01N2333/96425 G01N2333/96469		
代理机构(译)	NICHOLLS , KATHRYN MARGARET		
优先权	09/747287 2000-12-22 US		
其他公开文献	EP1356084A2		
外部链接	Espacenet		

摘要(译)

本发明提供了新的试剂，其荧光或吸收光谱在裂解或骨架构象变化时发生变化。所述试剂包含连接相同物种的两个发色团（例如荧光团）的主链（例如核酸，多肽等），由此发色团形成H-二聚体，导致荧光团的荧光猝灭或吸收光谱的变化。发色团。当骨架被切割或改变构象时，发色团被分离，不再形成H型二聚体，并且被去猝灭，从而提供可检测的信号。使用单个发色团而不是“受体 - 供体”荧光共振能量转移系统提供了合成和性能优势。

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X	us 5 714 342 A (KOMORIYA ET AL) 3 February 1998 (1998-02-03) * the whole document *	1-16, 22-25, 27-31, 34			
Y	----- PACKARD B Z ET AL: "Characterization of fluorescence quenching in bifluorophoric protease substrates" BIOPHYSICAL CHEMISTRY, NORTH-HOLLAND, AMSTERDAM, NL, vol. 67, 1997, pages 167-176, XP002315690 ISSN: 0301-4622 * the whole document *	17-21, 26, 32, 33			
Y	-----				
The experimental search report has been based on the last list of claims valid and available at the start of the search					
Place of search Munich		Date of completion of the search 22 March 2006	Inventor Jacques, P		
<table border="0"> <tr> <td style="vertical-align: top;"> 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 only C: non-written disclosure P: intermediate document </td> <td style="vertical-align: top;"> REASON FOR CITATION I: theory or principle underlying the invention or other subject-matter, not patented or, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document </td> </tr> </table>				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 only C: non-written disclosure P: intermediate document	REASON FOR CITATION I: theory or principle underlying the invention or other subject-matter, not patented or, or after the filing date D: document cited in the application L: document cited for other reasons A: member of the same patent family, corresponding document
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