



**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

EP 15 79 2849

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 2007/190543 A1 (LIVAK KENNETH J [US]) 16 August 2007 (2007-08-16) * paragraph [0036] * * paragraphs [0047] - [0052] * * paragraphs [0065] - [0071] * * paragraphs [0088], [0089] * * paragraphs [0095] - [0099] * * paragraph [0085] * * figures 1-4 * * paragraph [0074]; figure 4 * * paragraph [0093] * * paragraphs [0144] - [0154] *	1,2	INV. G01N33/487
A	WO 2012/045012 A2 (RAINDANCE TECHNOLOGIES INC [US]; SAMUELS MICHAEL [US]; LINK DARREN [US]) 5 April 2012 (2012-04-05) * page 36, lines 20-31 * * page 37, lines 24-30 * * page 45, lines 13-24 * ----- -/--	1,2	TECHNICAL FIELDS SEARCHED (IPC) 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 one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.			
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 5 April 2018	Examiner Marzocchi, Olaf
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			

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EPO FORM 1503 03.82 (P04E20)

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	US 2008/300142 A1 (GETTS ROBERT C [US] ET AL) 4 December 2008 (2008-12-04) * paragraphs [0046] - [0051] *	1,2	
A	US 2011/086774 A1 (DUNAWAY DWAYNE L [US]) 14 April 2011 (2011-04-14) * paragraphs [0047], [0050] - [0052] * * paragraphs [0054] - [0063] * * paragraphs [0065] - [0068] * * paragraphs [0075], [0076] * * paragraphs [0102] - [0107] *	1,2	
A	EP 1 544 310 A2 (AGILENT TECHNOLOGIES INC [US]) 22 June 2005 (2005-06-22) * paragraphs [0057], [0059] * * paragraphs [0087] - [0090] * * paragraph [0050] *	1,2	TECHNICAL FIELDS SEARCHED (IPC)
A	WO 2013/074546 A1 (UNIV CALIFORNIA [US]; BRIGHAM YONG UNIVERSITY [US]; DUNBAR WILLIAM [US]) 23 May 2013 (2013-05-23) * paragraphs [0113], [0132] - [0130] *	6,7	
A	WO 2013/155116 A1 (TAKULAPALLI BHARATH [US]) 17 October 2013 (2013-10-17) * page 23 *	7	



**INCOMPLETE SEARCH
SHEET C**

Application Number
EP 15 79 2849

Claim(s) completely searchable:
1-7, 10

Claim(s) not searched:
8, 9, 11-15

Reason for the limitation of the search:

Claims 1, 10, 15 and claims 6, 8, 11, 13 represent multiple independent claims of the same category. The applicant specified, in reply to the invitation pursuant to Rule 62a(1) and/or Rule 63(1) EPC, claims 1 and 6 and, optionally, the remaining independent claims.

The examiner, after analysing the claims, concluded that claim 10 could be associated with claim 6 of the present application, being in both claims the constituents of the compound initially separated.

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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:
1, 6, 7, 10(completely); 2(partially)
- 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:
- The present supplementary 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 (Rule 164 (1) EPC).

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(completely); 2(partially)

Compound with multiple sub-elements connected to a common polymer scaffold. Features of the attachment.

2. claims: 1(completely); 2, 4(partially)

Compound with multiple sub-elements connected to a common polymer scaffold. Features of the scaffold.

3. claims: 1, 3(completely); 4(partially)

Compound with multiple sub-elements connected to a common polymer scaffold. Features of the fusion molecule.

4. claims: 1, 5(completely); 4(partially)

Compound with multiple sub-elements connected to a common polymer scaffold. Features of the label.

5. claims: 6, 7, 10

Method to detect a polymer scaffold.

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

EP 15 79 2849

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.

05-04-2018

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2007190543	A1	16-08-2007	EP 1954838 A2	13-08-2008
			US 2007190543 A1	16-08-2007
			WO 2007120265 A2	25-10-2007

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			US 2012122714 A1	17-05-2012
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			WO 2012045012 A2	05-04-2012

US 2008300142	A1	04-12-2008	CN 102007224 A	06-04-2011
			EP 2254897 A2	01-12-2010
			US 2008300142 A1	04-12-2008
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			CA 2775613 A1	21-04-2011
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			EP 2836828 A1	18-02-2015
			US 2015060952 A1	05-03-2015
			US 2016258941 A1	08-09-2016
			WO 2013155116 A1	17-10-2013

EPO FORM P0459

专利名称(译)	使用纳米孔的样品中的支架数据存储和靶检测		
公开(公告)号	EP3143165A4	公开(公告)日	2018-05-16
申请号	EP2015792849	申请日	2015-05-15
申请(专利权)人(译)	双孔GUYS, INC.		
当前申请(专利权)人(译)	双孔GUYS, INC.		
[标]发明人	MORIN TREVOR DANIEL HELLER DUNBAR WILLIAM		
发明人	MORIN, TREVOR DANIEL, HELLER DUNBAR, WILLIAM		
IPC分类号	C12Q1/68 G01N33/487 G01N33/53		
CPC分类号	G01N33/48721 G01N33/54366 G01N33/54306		
优先权	61/993985 2014-05-15 US		
其他公开文献	EP3143165A1		
外部链接	Espacenet		

摘要(译)

提供了使用纳米孔装置检测怀疑存在于具有背景分子的样品中的靶分析物的方法和组合物。提供了多种用于聚合物支架识别或用于靶分析物结合和检测的探针。还提供了用于在聚合物支架上存储数据并使用纳米孔装置和结合探针访问数据的方法和组合物。

 SUPPLEMENTARY PARTIAL EUROPEAN SEARCH REPORT <small>Under Rule 60a and/or 63 of the European Patent Convention. This report shall be considered for the purposes of subsequent proceedings, as the European search report.</small>				Application Number EP 15 79 2849
DOCUMENTS CONSIDERED TO BE RELEVANT				
Category	Classifications of documents with relevance, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATIONS OF THE APPLICATION (IPC)	
X	US 2007/185643 A1 (LIVAK BERNETH J [US]) 16 August 2007 (2007-08-16) * paragraph [0056] * paragraphs [0047] - [0052] * paragraphs [0053] - [0071] * paragraphs [0085] - [0089] * paragraphs [0095] - [0099] * paragraph [0085] * figure 1 - 4 * paragraph [0074] - figure 4 * paragraph [0033] - [0154] * paragraphs [0144] - [0154]	1,2	INV-G01N33/487	
A	WO 2012/045012 A2 (RAINANCE TECHNOLOGIES INC [US]; SAMUELS MICHAEL [US]; LINK DARRIN [US]) 5 April 2012 (2012-04-05) * page 36, lines 20-31 * page 37, lines 24-30 * page 45, lines 13-24 * - - - - -	1,2	TECHNICAL FIELD SEARCHED G01N	
<small>The classification of the documents has been based on the last set of claims valid at the time of the search.</small>				
INCOMPLETE SEARCH <small>For Search/Selection purposes, not the present application, a claim or more of its claims, readable and complete with the prior art, has not been searched (please, see sheet C).</small>				
Claims searched completely : Claims not searched : Reason for the limitation of the search : see sheet C				
5				
Place of search		Date of completion of the search		Searcher
The Hague		5 April 2018		Marzocchi, Otaf
CATEGORY OF CITED DOCUMENTS C : prior art document, not cited in the application X : prior art document, cited in the application A : document cited for other reasons Y : document cited for other reasons W : document of the same patent family, corresponding document				