

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2011/236935 A1 (MIKKELSEN ET AL) 29 September 2011 (2011-09-29) * See SEQ 5 = SEQ 73 of the Application *	1-4	INV. C12P7/58 C12P7/42 C12P7/44 C12P17/04 C12P17/06 C12N9/04
A	----- WO 2009/145838 A2 (MASSACHUSETTS INSTITUTE OF TECHNOLOGY) 3 December 2009 (2009-12-03) * See Figure 1; compare Figure 3B of the Application *	1-4	
X,P	----- WO 2014/047510 A1 (SYNTHETIC GENOMICS, INC.) 27 March 2014 (2014-03-27) * Very substantial overlap, including all figures; the international filing date is 20 September 2013 *	1-4	
L	----- EP 2 857 496 A1 (ENSUIKO SUGAR REFINING CO LTD ET AL) 8 April 2015 (2015-04-08) * The corresponding PCT publication (WO 2013/183610 in Japanese) was published 12 December 2013 and is normal prior art; see [0059:9] for Step 7 *		
			TECHNICAL FIELDS SEARCHED (IPC)
			C12P C12N
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		Date of completion of the search	Examiner
Berlin		17 July 2017	Korsner, Sven-Erik
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	

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 (supplementary) 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 (supplementary) 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 (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

1-4

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: 1-4

A method for producing a product.....the pathway comprising one or more conversion steps selected from the group consisting of
{Step 7 or Step 15 or Step 7b or Step 16 or Step 19}

2. claims: 5-12

A method for synthesizing a derivative of FDCA or DDG

3. claims: 13, 14

A method for producing a product.....the pathway comprising one or more conversion steps selected from the group consisting of
{Step 5 or Step 6 or Step 7A or Step 17A}

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

EP 15 76 4217

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.

17-07-2017

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