

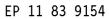
SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number EP 11 83 9154

	DOCUMENTS CONSID						
Category	Citation of document with in of relevant pass	ndication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)			
A	LANGERMANN SOLOMON 11 March 2010 (2010 * page 14, lines 20		1-15	INV. C07K14/705 C07K19/00 C12N1/21 C12N15/11			
A	879-883, XP00271812 ISSN: 0264-410X	didate vaccine for 15, NR. 8, PAGE(S) 24, and column, paragraph 3 1, paragraph 1 *	1-15	C12N15/62 A61K38/17 A61P31/18 A61P35/00 TECHNICAL FIELDS SEARCHED (IPC) C07K			
Place of search Munich		Date of completion of the search 18 December 2013 Bo		Examiner Chaictanh			
Munich 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 18 December 2013 Barnas, Christoph T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons							

2 EPO FORM 1503 03.82 (P04C04)







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:						
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).						



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 11 83 9154

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, 2(completely); 3-15(partially)

A a PD-1 protein comprising an amino acid sequence selected from the group consisting of SEQ ID NOs 11, 15, 25, 13, 17, 27 and a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 14, 18, 28.

2. claims: 3-15(partially)

A fusion polypeptide comprising a wild type PD-1 and an antigen comprising an amino acid sequence selected from the group consisting of SEQ ID NOs: 1, 21, 19, 23 and a nucleic acid sequence selected from the group consisting of SEQ ID NOs: 20 and 24.

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

EP 11 83 9154

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.

18-12-2013

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	Patent document cited in search report		Publication date		Patent family member(s)		Publication date
	W0 2010027828	A2	11-03-2010	AU CA CN EP EP JP JP KRS US WO WO		A1 A2 A2 A2 A1 A A A1 A1 A2 A2	11-03-2010 11-03-2010 28-09-2011 30-03-2012 25-05-2011 08-06-2011 13-11-2013 12-01-2012 12-01-2012 10-05-2012 04-07-2011 30-06-2011 11-08-2011 11-03-2010 11-03-2010 02-09-2010
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