

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number
EP 11 83 9154

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	WO 2010/027828 A2 (AMPLIMMUNE INC [US]; LANGERMANN SOLOMON [US]; LIU LINDA [US]) 11 March 2010 (2010-03-11) * page 14, lines 26-31 * * page 34, line 25 - page 36, line 7 * -----	1-15	INV. C07K14/705 C07K19/00 C12N1/21 C12N15/11 C12N15/62
A	KIM JONG J ET AL: "Development of a multicomponent candidate vaccine for HIV-1", 1997, VACCINE, VOL. 15, NR. 8, PAGE(S) 879-883, XP002718124, ISSN: 0264-410X * page 881, left-hand column, paragraph 3 - right-hand column, paragraph 1 * -----	1-15	A61K38/17 A61P31/18 A61P35/00
			TECHNICAL FIELDS SEARCHED (IPC)
			C07K
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 18 December 2013	Examiner Barnas, Christoph
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			

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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).

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.**

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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

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2010027828 A2	11-03-2010	AU 2009288289 A1	11-03-2010
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