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- (81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,

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(54) **Title:** FILL-FINISH PROCESS FOR PEPTIDE SOLUTIONS

(57) **Abstract:** The enclosed disclosure describes, among other things, a method including the steps of a first deaerating step in which a mixture comprising peptides is deaerated by lowering the pressure, filtering the mixture through a sterilizing filter; and a second deaerating step, in which the filtrate is deaerated by vibration and lowering the pressure.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2013/049327

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61L 2/00 (2013.01)

USPC - 422/33

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61K 9/08, 38/00, 38/10; A61L 2/00, 2/07, 2/20; B65B 3/00, 21/24, 55/02, 55/10; C07K 1/34, 7/08; C12P 21/02 (2013.01)

USPC - 53/206, 425, 432; 206/438, 439; 422/1, 9, 11, 26, 33, 34; 514/1.1; 530/326, 327; 604/199

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - A61B 19/026; A61K 38/00; A61L 2/04, 2/07, 2/0095, 2/18, 2/206, 2/208; A61M 2005/3104; B65B 11/54, 31/028, 55/02; C23F 11/02 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Orbit, Google Patents, Google Scholar

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009/0252749 A1 (LEISTER et al) 08 October 2009 (08.10.2009) entire document	1, 2, 6-15, 21-25, 28-33
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Y		3, 4, 5, 16-20, 26, 27
Y	US 2009/0111734 A1 (ELLIS-BEHNKE et al) 30 April 2009 (30.04.2009) entire document	3, 4
Y	US 2011/0201541 A1 (TAKAMURA et al) 18 August 2011 (18.08.2011) entire document	5
Y	US 6,228,324 B1 (HASEGAWA et al) 08 May 2001 (08.05.2001) entire document	16-20
Y	US 2010/0096328 A1 (HAMASAKI et al) 22 April 2010 (22.04.2010) entire document	26, 27
A	US 2009/0053103 A1 (MORTIMER et al) 26 February 2009 (26.02.2009) entire document	1-33
A	US 2009/0162437 A1 (HORII et al) 25 June 2009 (25.06.2009) entire document	1-33

 Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 December 2013

Date of mailing of the international search report

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