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- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a
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- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

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(54) Title: PURIFICATION METHOD

(57) Abstract: A method for purification of pegylated GCSF is provided. In particular, the application employs a cation exchange chromatography with varying conductivity of wash buffers to separate low and high molecular weight impurities from the desired pegylated GCSF.



WO 2014/155365 A3

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

C07K 1/18(2006.01)i; C07K 1/113(2006.01)i; C07K 14/535(2006.01)i

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)

C07K 1/-; C07K 14/-

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

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

WPI, EPODOC, CNPAT, CNKI, PubMed, ISI Web of Knowledge, GCSF, granulocyte colony stimulating factor, pegylated, cation exchange chromatography, purification

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 102485742 A (SHANDONG NEW TIME PHARM. CO. LTD.) 06 June 2012 (2012-06-06) claims 1-9, example 7	1-4
X	CN 102234310 A (HANGZHOU JIUYUAN GENE ENG. CO. LTD.) 09 November 2011 (2011-11-09) claims 1-9, examples 1-3	1-4
X	CN 1663962 A (CHONGQING FUJIN BIO. MEDICINE CO. LTD.) 07 September 2005 (2005-09-07) claims 1-10, example 2	1-4
A	CN 1814779 A (SHANDONG QUANGANG PHARM. CO. LTD.) 09 August 2006 (2006-08-09) the whole document	1-4
A	CN 102892780 A (BIOGENERIX AG.) 23 January 2013 (2013-01-23) the whole document	1-4
A	WO 2012/057529 A2 (HANMI HOLDINGS CO. LTD.) 03 May 2012 (2012-05-03) the whole document	1-4

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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

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“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

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“&” document member of the same patent family

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Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
CN	102485742	A	06 June 2012	Non	e		
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				WO	2012057529	A3	28 June 2012
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