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(71) Applicant (for all designated States except US): **BASF SE**; Carl Bosch Strasse 38, 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SONG, Zhiqiang** [CA/US]; 2 Stuart Drive, Newtown, CT 06470 (US). **DEISENROTH, Ted** [US/US]; 32 Barnview Terrace, Brookfield, CT 06804 (US).

(74) Agents: **LOGGINS, Shiela, A.** et al.; BASF Corporation, 500 White Plains Road, Tarrytown, NY 10591 (US).

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(54) Title: NON-LEACHING ANTIMICROBIAL WOUND DRESSING

(57) Abstract: The present application discloses preparations of antimicrobial wound dressings. Strongly binding polymeric dialky aminoalkyl (meth)acrylates are used to treat highly absorbent wound dressing materials. The resulting finish is highly antimicrobial effective and non-leachable.

**A. CLASSIFICATION OF SUBJECT MATTER***A61K 31/16(2006.01)i, A61K 31/13(2006.01)i, A61K 9/70(2006.01)i, A61P 17/02(2006.01)i, A61P 31/04(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)

A61K 31/16; A61K 9/14; A61F 13/15

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)

eKOMPASS(KIPO internal) &amp; keywords: antimicrobial, wound dressing, dimethylaminoethyl methacrylate

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002-0177828 A1 (BATICH, C. D. et al.) 28 November 2002 See abstract; table 8; paragraph [0086]; and claims 1, 11, and 13-15.	1-13
A	US 2004-0076674 A1 (OTTERSEBACK P. et al.) 22 April 2004 See abstract; and claims 1 and 10.	1-13
A	MIKHAYLOVA, A. et al. 'Preclinical evaluation of antimicrobial efficacy and biocompatibility of a novel bacterial barrier dressing' Wounds, February 2011, Vol. 23, No. 2, pp. 24-31. See the whole document.	1-13

 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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"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

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"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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

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Authorized officer

CHOI, Sung Hee

Telephone No. 82-42-481-8740



**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2012/043342**

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