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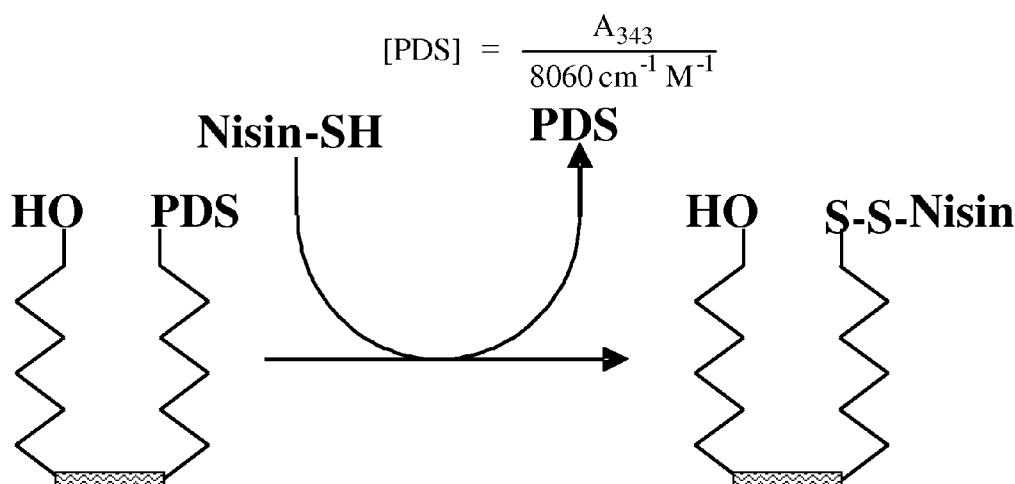


Fig. 9

(57) **Abstract:** The invention is based on the recognition that known antimicrobial compounds, such as nisin or other lantibiotics, can be made to form a long lasting antimicrobial surface coating by linking the peptide with a block polymer, such as PLURONIC® F108 or an end group activated polymer (EGAP) in a manner to form a flexible tether and/or entrap the peptide. The entrapped peptide provides antimicrobial action by early release from entrapment while the tethered peptide provides longer lasting antimicrobial protection. Antimicrobial gels and foams may be prepared using the antimicrobial peptide containing block copolymers.

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INTERNATIONAL SEARCH REPORT

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PCT/US2008/069827**A. CLASSIFICATION OF SUBJECT MATTER****A01N 25/10(2006.01)i, A61L 2/16(2006.01)i, C08G 65/32(2006.01)i, C08K 13/08(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)

IPC 8 A01N

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

Korean Utility models and applications for Utility models since 1975

Japanese Utility models and applications for Utility models since 1975

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

eKIPASS (KIPO internal)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6383500 B1, (Washington University), 07 May 2002 (07.05.2002) see the abstract, column 65 : lines 9 ~ 19, column 79 : example 7, claims 72-83.	1-5, 7-13
X	US 2006-0099567 A1, (Biomatrica, Inc.), 11 May 2006 (11.05.2006) see the abstract, page 10 : paragraph [0067], claims 10, 21 and 31.	1-5, 7-13
A	US 5945457 A, (A.V. Topchiev Institute of Petrochemical Synthesis, Russian Academy of Science), 31 August 1999 (31.08.1999) see the abstract, column 2 : line 41 ~ column 3 : line 37, claim 1.	1-17

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

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6383500 B1	07.05.2002	NONE	
US 2006-0099567 A1	11.05.2006	AU 2006-330034 A1 EP 1951868 A2 KR 10-2008-0085003 US 2006-099567 A1	05.07.2007 06.08.2008 22.09.2008 11.05.2006
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