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(71) Applicant (for all designated States except US): **INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY** [KR/KR]; Yonsei Univ. 134 Sinchon-dong, Seodaemun-gu, Seoul 120-749 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KIM, Young Min** [KR/KR]; 105-903 Dohwa Hyundai 1-Cha Apt., Dohwa-dong, Mapo-gu, Seoul 121-771 (KR). **PARK, Sae Woong** [KR/KR]; 163-2 Muk 1-dong, Jungnang-gu, Seoul 131-848 (KR). **SONG, Taeksun** [KR/KR]; 531-1506 Mokdong Apt. 5-Danji Mok 5-dong, Yangcheon-gu, Seoul 158-755 (KR).

(74) Agent: **Y.P.LEE, MOCK & PARTNERS**; 1575-1, Seocho-dong, Seocho-gu, Seoul 137-875 (KR).

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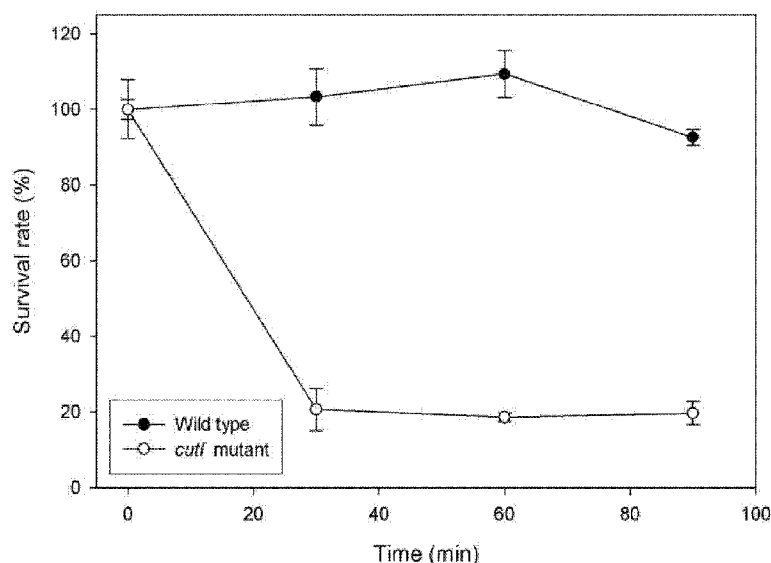
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[Continued on next page]

(54) Title: MYCOBACTERIA-DERIVED POLYPEPTIDE AND POLYNUCLEOTIDE, AND METHOD OF SCREENING ANTI-MYCOBACTERIAL AGENT

[Fig. 12]



(57) Abstract: A mycobacteria-derived polypeptide, a mycobacteria-derived polynucleotide, and a method of screening an anti-mycobacterial agent.



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- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*
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A. CLASSIFICATION OF SUBJECT MATTER*C07K 14/195(2006.01)i, C07K 14/00(2006.01)i, C12N 15/09(2006.01)i, C12Q 1/68(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 14/195

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal), Pubmed

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PARK, S. W. et al. 'Carbon monoxide dehydrogenase in mycobacteria possesses a nitric oxide dehydrogenase activity.' Biochemical and Biophysical Research Communications. Vol. 362(2), pp. 449-45 (1(10 August 2007) See the abstract.	1-11
A	PARK, S. W. et al. 'Growth of mycobacteria on carbon monoxide and methanol.' Journal of Bacteriology. Vol. 185(1), pp. 142-147 (January 2003) See the abstract.	1-11
A	KING, G. M. 'Uptake of carbon monoxide and hydrogen at environmentally relevant concentrations by mycobacteria.' Applied and Environmental Microbiology. Vol. 69(12), pp. 7266-7272 (December 2003) See the abstract.	1-11
A	SINGH, R. et al. 'PA-824 kills nonreplicating mycobacterium tuberculosis by intracellular No release.' Science. Vol. 322(5906), pp. 1392-1395 (28 November 2008) See the abstract.	1-11



Further documents are listed in the continuation of Box C.



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Date of the actual completion of the international search

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KIM, JI YUN

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2009/007702

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of :

a. a sequence listing filed or furnished

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on paper

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in electronic form

b. time of filing or furnishing

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contained in the international application as filed

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filed together with the international application in electronic form

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furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2009/007702

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	ZAHRT, T. C. and DERETIC, V. 'Reactive nitrogen and oxygen intermediates and bacterial defenses: unusual adaptations. in Mycobacterium tuberculosis.' Antioxidants and Redox Signaling. Vol. 4(1), pp. 141-159 (February 2002) See the abstract.	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

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None