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CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
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(54) **Title:** SYNTHETIC GENE CLUSTERS

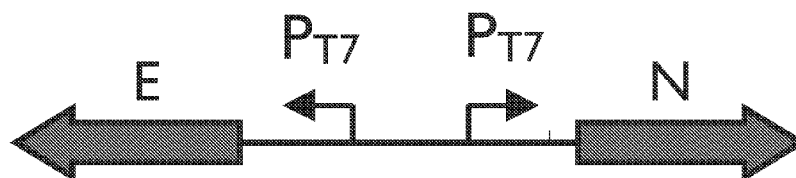


FIG. 1

(57) **Abstract:** Methods for making synthetic gene clusters are described.

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A. CLASSIFICATION OF SUBJECT MATTER*C12N 15/09(2006.01)i, C12N 15/31(2006.01)I, C12N 15/63(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)

C12N 15/09

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) & Keywords:synthetic operon, synthetic gene cluster, ribosome binding site

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PFLEGER, BF. et al., 'Combinatorial engineering of intergenic regions in operons tunes expression of multiple genes', Nature Biotechnology, August 2006, vol.24, no. 8, pp. 1027-1032.	37-54,59-70
A	See Abstract; Figures 1,4; Page 1031.	1-36,71-81
A	SLEIGHT, SC. et al., 'Designing and engineering evolutionary robust genetic circuits', Journal of Biological Engineering, 1 November 2010, vol.4, no.12, doi: 10.1186/1754-1611-4-12. See Abstract .	1-54,59-81
A	Mo Bi Tec (MOLECULAR BIOTECHNOLOGY), 'T7 RNA polymerase expression system for bacillus megaterium', T7 RNAP Expression System Handbook, January 2010, pp. 1-18. See Page 4 .	1-54,59-81
PX	TEMME, K. et al., 'Refactoring the nitrogen fixation gene cluster from Klebsiella oxytoca', Proc Natl Acad Sci USA, 1 May 2012, vol.109, no. 18, pp.7085-7090 (Epub 16 April 2012). See the Whole Document.	1-54,59-81

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

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"&" document member of the same patent family

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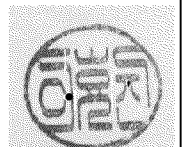
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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None