

Title (en)
P EF-TU EXPRESSION UNITS

Title (de)
P EF-TU-EXPRESSIONSEINHEITEN

Title (fr)
UNITES D'EXPRESSION DE P EF-TU

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Application
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Abstract (en)
[origin: WO2005059093A2] The invention relates to the use of nucleic acid sequences for regulating gene transcription and expression, said novel promoters and expression units, methods for modifying or inducing the gene transcription rate and/or expression rate, expression cassettes containing said expression units, genetically modified microorganisms having a modified or induced transcription rate and/or expression rate, and methods for producing biosynthetic products by cultivating said genetically modified microorganisms.

IPC 8 full level
C12N 15/77 (2006.01); **C07K 14/34** (2006.01); **C12N 1/00** (2006.01); **C12N 1/21** (2006.01); **C12N 15/63** (2006.01); **C12N 15/67** (2006.01); **C12P 1/00** (2006.01); **C12P 13/08** (2006.01); **C12P 13/12** (2006.01)

IPC 8 main group level
C12N (2006.01)

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WO 2005059139 A2 20050630 - BASF AG [DE], et al

Cited by
WO2008126896A1; WO2009031565A1; WO2024033603A1; US10704063B2; US10724058B2; US11248243B2; US11753660B2; US11753661B2; WO2008114721A1; EP2657332A1

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DOCDB simple family (application)
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