

Title (en)  
MICROORGANISM OPTIMIZED FOR SECRETION

Title (de)  
SEKRETIONSOPTIMIERTER MIKROORGANISMUS

Title (fr)  
MICROORGANISME À SÉCRÉTION OPTIMISÉE

Publication  
**EP 2291534 A1 20110309 (DE)**

Application  
**EP 09753816 A 20090520**

Priority  
• EP 2009056142 W 20090520  
• DE 102008025926 A 20080529

Abstract (en)  
[origin: WO2009144161A1] Proteins which comprise a cofactor can be secreted in an improved manner in a microorganism which belongs to the genus *Corynebacterium* provided that the microorganism contains a nucleic acid sequence which is not naturally present in this and which comprises at least the following sequence sections: a) nucleic acid sequence coding for a protein which contains a cofactor, and b) a nucleic acid sequence which is at least 20% identical to the sequence given in SEQ ID NO. 1 or a nucleic acid sequence which is a structural homologue to this sequence, wherein the amino acid sequence which is encoded by the nucleic acid sequence b) functionally interacts with the amino acid sequence encoded by the nucleic acid sequence a) in such a manner that at least the amino acid sequence encoded by the nucleic acid sequence a) is excreted by the microorganism.

IPC 8 full level  
**C12P 21/02** (2006.01); **C12N 9/04** (2006.01); **C12N 15/62** (2006.01); **C12N 15/77** (2006.01)

CPC (source: EP US)  
**C12N 9/0006** (2013.01 - EP US); **C12N 15/63** (2013.01 - EP US); **C12P 21/02** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009144161A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008025926 A1 20091203**; EP 2291534 A1 20110309; US 2011129894 A1 20110602; WO 2009144161 A1 20091203

DOCDB simple family (application)  
**DE 102008025926 A 20080529**; EP 09753816 A 20090520; EP 2009056142 W 20090520; US 95521910 A 20101129