Title (en)

WHOLE-CELL BIOCATALYST

Title (de)

GANZZELL-BIOKATALYSATOR

Title (fr)

BIOCATALYSEUR DE CELLULE ENTIÈRE

Publication

EP 2609204 A1 20130703 (DE)

Application

EP 11749822 A 20110826

Priority

- DE 102010035702 A 20100827
- EP 2011064760 W 20110826

Abstract (en)

[origin: CA2812390A1] The invention relates to a nucleic acid molecule comprising a section that encodes a signal peptide, a section that comprises a heterologous redox factor-regenerating polypeptide, an optional section that encodes a protease detection site, a section that encodes a transmembrane linker, and a section that encodes a transporter domain of an autotransporter or a variant thereof. The nucleic acid molecule enables the expression of redox factor-regenerating enzymes.

IPC 8 full level

C12N 15/62 (2006.01); **C12N 9/02** (2006.01)

CPC (source: EP US)

C12N 9/0036 (2013.01 - EP US); **C12N 15/62** (2013.01 - EP US); **C12N 15/70** (2013.01 - US); **C12P 1/04** (2013.01 - US); **C12P 19/36** (2013.01 - EP US); **C12Y 106/03001** (2013.01 - EP US); C07K 2319/02 (2013.01 - EP US); C07K 2319/03 (2013.01 - EP US); C07K 2319/035 (2013.01 - EP US)

Citation (search report)

See references of WO 2012025628A1

Citation (examination)

JOACHIM JOSE ET AL: "Autodisplay of enzymes-Molecular basis and perspectives", JOURNAL OF BIOTECHNOLOGY, vol. 161, no. 2, 1 October 2012 (2012-10-01), pages 92 - 103, XP055192111, ISSN: 0168-1656, DOI: 10.1016/j.jbiotec.2012.04.001

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010035702 A1 20120301; AU 2011295025 A1 20130228; AU 2011295025 A2 20130404; BR 112013004383 A2 20190924; CA 2812390 A1 20120301; CN 103140583 A 20130605; EP 2609204 A1 20130703; JP 2013537428 A 20131003; RU 2013110454 A 20141010; US 2013203118 A1 20130808; WO 2012025628 A1 20120301; ZA 201302201 B 20140528

DOCDB simple family (application)

DE 102010035702 A 20100827; AU 2011295025 A 20110826; BR 112013004383 A 20110826; CA 2812390 A 20110826; CN 201180041285 A 20110826; EP 11749822 A 20110826; EP 2011064760 W 20110826; JP 2013525319 A 20110826; RU 2013110454 A 20110826; US 201113818942 A 20110826; ZA 201302201 A 20130325