

Title (en)

MICROORGANISM FOR PRODUCING SUCCINIC ACID

Title (de)

MIKROORGANISMUS ZUR HERSTELLUNG VON BERNSTEINSÄURE

Title (fr)

MICRO-ORGANISME PERMETTANT DE PRODUIRE DE L'ACIDE SUCCINIQUE

Publication

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Application

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Priority

- DE 2009001386 W 20091007
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Abstract (en)

[origin: WO2010043197A1] The invention relates to an isolated, genetically modified microorganism, wherein compared to the wild type a) the *idh1* and *idp1* genes have been deleted or inactivated, and/or b) the *sdh2* and *sdh1* genes have been deleted or inactivated, and/or c) the *PDC2* gene has been deleted or inactivated or is under the control of a promoter which can be suppressed or induced by exposure of the microorganism using an inductor substance, and/or d) one or more genes from the group consisting of *ICL1*, *MLS1*, *ACS1* and *MDH3* has been replaced or supplemented by a corresponding foreign gene or corresponding foreign genes from Crabtree-negative organisms, and to the uses thereof.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2010043197A1

Citation (examination)

DATABASE MEDLINE [online] US NATIONAL LIBRARY OF MEDICINE (NLM), BETHESDA, MD, US; 5 June 1993 (1993-06-05), HASELBECK R J ET AL: "Function and expression of yeast mitochondrial NAD- and NADP-specific isocitrate dehydrogenases.", Database accession no. NLM8099357 & HASELBECK R J ET AL: "Function and expression of yeast mitochondrial NAD- and NADP-specific isocitrate dehydrogenases.", THE JOURNAL OF BIOLOGICAL CHEMISTRY 5 JUN 1993 LNKD- PUBMED:8099357, vol. 268, no. 16, 5 June 1993 (1993-06-05), pages 12116 - 12122, ISSN: 0021-9258

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DOCDB simple family (application)

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