Title (en)

CONVERSION OF SUCROSE TO ETHANOL USING THE BACTERIUM -i(ZYMOMONAS MOBILIS).

Title (de)

UMWANDLUNG VON SUKROSE IN ÄTHANOL UNTER VERWENDUNG VON BAKTERIEN (ZYMOMONAS MOBILIS).

Title (fr)

CONVERSION DE SUCROSE EN ETHANOL UTILISANT LA BACTERIE -i(ZYMOMONAS MOBILIS).

Publication

EP 0247044 A4 19880526 (EN)

Application

EP 86901009 A 19860124

Priority

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Abstract (en)

[origin: WO8604357A1] A new single-stage fermentation process for the commercial production of ethanol from refined sucrose, raw sugar, sugar cane juice, sugar cane syrup, sucrose hydrolysates and invert sugars has been developed using $i(Zymomonas mobilis). The process gives a 94-98% sucrose hydrolysis efficiency and a 95-98% ethanol conversion efficiency. Within 24-30 hours, 200 g/L sucrose is converted to produce 95.5 g/L ethanol. Reinoculation is carried out from the fermented broth without the need for centrifugation or membrane filtration.

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C12P 7/06; C12N 1/20

IPC 8 full level

C12P 7/06 (2006.01)

CPC (source: EP KR)

C12N 1/205 (2021.05 - EP); **C12P 7/06** (2013.01 - KR); **C12P 7/065** (2013.01 - EP); C12R 2001/01 (2021.05 - EP); Y02E 50/10 (2013.01 - EP)

Citation (search report)

- No relevant documents have been disclosed.
- See references of WO 8604357A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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