

Title (en)
DEVELOPMENT OF HIGH-ETHANOL RESISTANT *ESCHERICHIA COLI*

Title (de)
ENTWICKLUNG VON ÄTHANOLRESISTENTE ESCHERICHIA COLI

Title (fr)
OBTENTION D'*ESCHERICHIA* COLI RESISTANTES A L'ETHANOL HAUTEMENT CONCENTRE

Publication
EP 0973882 A1 20000126 (EN)

Application
EP 98914390 A 19980331

Priority
• US 9806405 W 19980331
• US 83490097 A 19970407

Abstract (en)
[origin: WO9845425A1] The invention relates to a novel selection process to identify novel mutants of *Escherichia coli* KO11, an ethanologenic bacterium, that exhibit the ability to grow and survive in ethanol concentrations beyond that in which the parent *Escherichia coli* KO11 can survive. The new approach, which alternates between selection for ethanol resistance and selection for rapid growth on solid medium containing a high level of chloramphenicol, resulted in strains which are potentially useful for ethanol production.

IPC 1-7
C12N 15/00; C12N 15/09; C12N 15/29; C12N 15/82; A01H 1/00; A01H 3/00; A01H 4/00; A01H 5/00

IPC 8 full level
C12N 1/21 (2006.01); **C12N 1/36** (2006.01); **C12N 15/09** (2006.01); **C12P 7/06** (2006.01); **C12R 1/18** (2006.01); **C12R 1/19** (2006.01); **C12R 1/22** (2006.01); **C12R 1/64** (2006.01)

CPC (source: EP)
C12N 1/205 (2021.05); **C12N 1/36** (2013.01); **C12P 7/065** (2013.01); **C12R 2001/19** (2021.05); **Y02E 50/10** (2013.01)

Citation (search report)
See references of WO 9845425A1

Cited by
US7947577B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9845425 A1 19981015; **WO 9845425 A9 19991104**; AU 6875298 A 19981030; CA 2286334 A1 19981015; EP 0973882 A1 20000126; JP 2001518789 A 20011016; ZA 982742 B 19981005

DOCDB simple family (application)
US 9806405 W 19980331; AU 6875298 A 19980331; CA 2286334 A 19980331; EP 98914390 A 19980331; JP 54287898 A 19980331; ZA 982742 A 19980401