

Title (en)
HIGH EFFICIENCY TRANSFECTION BASED ON LOW ELECTRIC FIELD STRENGTH, LONG PULSE LENGTH

Title (de)
HOCHEFFIZIENTE TRANSFEKTION MITTELS NIEDRIGER ELEKTRISCHER FELDSTÄRKE UND LANGER PULSDAUER

Title (fr)
TRANSFECTION TRES EFFICACE UTILISANT UNE FAIBLE INTENSITE DE CHAMP ELECTRIQUE ET UNE LONGUE DUREE D'IMPULSION

Publication
EP 1194574 A1 20020410 (EN)

Application
EP 99928868 A 19990625

Priority
US 9914447 W 19990625

Abstract (en)
[origin: WO0100856A1] A method is provided for introducing nucleic acid into a cell, by contacting the cell with a nucleic acid and applying a low electrical field impulse for a long pulse length. A method is provided for introducing a polypeptide into a cell, by contacting the cell with the polypeptide and applying a low electrical field impulse for a long pulse length.

IPC 1-7
C12N 15/63; **C12N 15/09**

IPC 8 full level
C12N 15/09 (2006.01); **C12N 15/63** (2006.01); **C12N 15/87** (2006.01)

CPC (source: EP)
C12N 15/87 (2013.01)

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

DOCDB simple family (publication)
WO 0100856 A1 20010104; AU 4584299 A 20010131; AU 783432 B2 20051027; CA 2377565 A1 20010104; EP 1194574 A1 20020410; EP 1194574 A4 20030402; EP 1829973 A2 20070905; EP 1829973 A3 20080109

DOCDB simple family (application)
US 9914447 W 19990625; AU 4584299 A 19990625; CA 2377565 A 19990625; EP 07010185 A 19990625; EP 99928868 A 19990625