

Title (en)

CHARGE REVERSAL OF POLYION COMPLEXES

Title (de)

LADUNGSWECHSEL VON POLYION-KOMPLEXEN

Title (fr)

INVERSION DE CHARGE DE COMPLEXES DE POLYIONS

Publication

EP 1209971 A4 20040414 (EN)

Application

EP 00955747 A 20000818

Priority

- US 0022832 W 20000818
- US 15016099 P 19990820

Abstract (en)

[origin: WO0113723A1] An ionic polymer is utilized in "recharging" (another layer having a different charge) a condensed polynucleotide complex for purposes of nucleic acid delivery to a cell. The resulting recharged complex can be formed with an appropriate amount of positive or negative charge such that the resulting complex has the desired net charge.

IPC 1-7

A01N 25/26; **C12N 15/88**; **A61K 47/48**

IPC 8 full level

A61K 47/48 (2006.01); **C12N 15/88** (2006.01); **A61K 48/00** (2006.01)

CPC (source: EP)

A61K 47/58 (2017.07); **A61K 47/59** (2017.07); **A61K 47/60** (2017.07); **A61K 47/645** (2017.07); **C12N 15/88** (2013.01); **A61K 48/00** (2013.01)

Citation (search report)

- [X] US 5935599 A 19990810 - DADEY ERIC J [US]
- [PX] WO 0003694 A1 20000127 - MIRUS CORP [US]
- [X] ROSS PC ET AL.: "Lipoplex size is a major determinant of in vitro lipofection efficiency", GENE THERAPY, vol. 6, no. 4, April 1999 (1999-04-01), pages 651 - 659, XP002270219
- [X] VITIELLO ET AL.: "Condensation of plasmid DNA with polylysine improves liposome-mediated gene transfer into established and primary muscle cells", GENE THERAPY, vol. 3, 1996, pages 396 - 404, XP009025639
- See references of WO 0113723A1

Designated contracting state (EPC)

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