

Title (en)

USE OF EXOSOMES FOR TARGETED DELIVERY OF THERAPEUTIC AGENTS

Title (de)

VERWENDUNG VON EXOSOMEN ZUR GEZIELTEN ABGABE VON THERAPEUTISCHEN WIRKSTOFFEN

Title (fr)

UTILISATION D'EXOSOMES POUR L'ADMINISTRATION CIBLÉE D'AGENTS THÉRAPEUTIQUES

Publication

EP 3773747 A4 20220223 (EN)

Application

EP 19776678 A 20190328

Priority

- US 201862649057 P 20180328
- US 2019024603 W 20190328

Abstract (en)

[origin: WO2019191444A1] Provided herein are methods of using exosomes that function like minicells to deliver therapeutic agents to diseased or disordered cells. In particular, the exosomes can be targeted to particular areas of the body using growth factor gradients. These gradients also serve to trigger expression of proteins inside the exosomes, from transfected nucleic acids, at the desired target.

IPC 8 full level

A61K 48/00 (2006.01); **C12N 15/113** (2010.01); **C12N 15/87** (2006.01)

CPC (source: EP KR)

A61K 38/45 (2013.01 - KR); **A61K 38/465** (2013.01 - KR); **A61K 48/0008** (2013.01 - EP KR); **A61P 35/00** (2017.12 - KR); **C12N 15/111** (2013.01 - EP KR); **C12N 15/87** (2013.01 - EP KR); **C12N 2320/32** (2013.01 - EP KR)

Citation (search report)

- [XY] WO 2015085096 A1 20150611 - UNIV TEXAS [US]
- [Y] WO 2016201323 A1 20161215 - UNIV TEXAS [US]
- [Y] SHIN-ICHIRO OHNO ET AL: "Systemically Injected Exosomes Targeted to EGFR Deliver Antitumor MicroRNA to Breast Cancer Cells", MOLECULAR THERAPY, vol. 21, no. 1, 1 January 2013 (2013-01-01), US, pages 185 - 191, XP055501314, ISSN: 1525-0016, DOI: 10.1038/mt.2012.180
- See references of WO 2019191444A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2019191444 A1 20191003; AU 2019243179 A1 20201112; CA 3095136 A1 20191003; CN 112533643 A 20210319; EP 3773747 A1 20210217; EP 3773747 A4 20220223; JP 2021519296 A 20210810; KR 20200136978 A 20201208

DOCDB simple family (application)

US 2019024603 W 20190328; AU 2019243179 A 20190328; CA 3095136 A 20190328; CN 201980034058 A 20190328; EP 19776678 A 20190328; JP 2020551798 A 20190328; KR 20207030993 A 20190328