

Title (en)
RATIONAL POLYPLOID ADENO-ASSOCIATED VIRUS VECTORS AND METHODS OF MAKING AND USING THE SAME

Title (de)
RATIONALE POLYPLOID-ADENO-ASSOZIIERTE VIRUSVEKTOREN UND VERFAHREN ZUR HERSTELLUNG UND VERWENDUNG DAVON

Title (fr)
VECTEURS DE VIRUS ADÉNO-ASSOCIÉS POLYPLOÏDES RATIONNELS ET LEURS PROCÉDÉS DE FABRICATION ET D'UTILISATION

Publication
EP 3596203 A4 20211201 (EN)

Application
EP 18907477 A 20180731

Priority

- US 201862668056 P 20180507
- US 201862678675 P 20180531
- US 2018044632 W 20180731

Abstract (en)
[origin: WO2019216932A1] The present invention provides a polyploid adeno-associated virus (AAV) capsid, wherein the capsid comprises capsid protein VP1, wherein said capsid protein VP1 is from one or more than one first AAV serotype, wherein said capsid protein VP2 is from one or more than one first AAV serotype and capsid protein VP3, wherein said capsid protein VP3 is from one or more than one second AAV serotype and wherein at least one of said first AAV serotype is different from at least one of said second AAV serotype and is different from at least one of said third AAV serotype, in any combination.

IPC 8 full level
C12N 7/00 (2006.01); **A61K 48/00** (2006.01); **C12N 5/10** (2006.01); **C12N 15/35** (2006.01); **C12N 15/86** (2006.01); **C12N 15/864** (2006.01)

CPC (source: CN EP)
A61K 48/0025 (2013.01 - EP); **A61K 48/005** (2013.01 - EP); **A61K 48/0075** (2013.01 - EP); **C07K 14/005** (2013.01 - CN); **C12N 7/00** (2013.01 - CN EP); **C12N 15/86** (2013.01 - EP); **A01K 2217/075** (2013.01 - EP); **A01K 2227/105** (2013.01 - EP); **A01K 2267/0381** (2013.01 - EP); **C12N 2750/14121** (2013.01 - CN); **C12N 2750/14122** (2013.01 - CN EP); **C12N 2750/14143** (2013.01 - EP); **C12N 2750/14145** (2013.01 - EP); **C12N 2750/14151** (2013.01 - EP)

Citation (search report)

- [E] WO 2018170310 A1 20180920 - UNIV NORTH CAROLINA CHAPEL HILL [US]
- [Y] US 2006088936 A1 20060427 - WARRINGTON KENNETH H [US], et al
- [Y] US 2013296409 A1 20131107 - MILLER ARTHUR DUSTY [US], et al
- [XYI] ZHENG CHAI ET AL: "Application of polyploid adeno-associated virus vectors for transduction enhancement and neutralizing antibody evasion", JOURNAL OF CONTROLLED RELEASE, vol. 262, 1 September 2017 (2017-09-01), AMSTERDAM, NL, pages 348 - 356, XP055713109, ISSN: 0168-3659, DOI: 10.1016/j.jconrel.2017.08.005
- See also references of WO 2019216932A1

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 2019216932 A1 20191114; AU 2018422759 A1 20200102; CN 110691846 A 20200114; CN 117535247 A 20240209; EP 3596203 A1 20200122; EP 3596203 A4 20211201; JP 2021522775 A 20210902; JP 2023154428 A 20231019

DOCDB simple family (application)
US 2018044632 W 20180731; AU 2018422759 A 20180731; CN 201880032343 A 20180731; CN 202311045266 A 20180731; EP 18907477 A 20180731; JP 2019565168 A 20180731; JP 2023125955 A 20230802