

Title (en)

BRANCHED RECEPTOR BINDING MULTI-SUBUNIT PROTEIN COMPLEXES FOR USE IN BACTERIAL DELIVERY VEHICLES

Title (de)

VERZWEIGTE REZEPTORBINDENDE MULTIUNTEREINHEIT-PROTEINKOMPLEXE ZUR VERWENDUNG IN BAKTERIELLEN FREISETZUNGSVEHIKELN

Title (fr)

PROTÉINES CHIMÈRES DE LIAISON AU RÉCEPTEUR DESTINÉES À ÊTRE UTILISÉES DANS DES VECTEURS POUR DÉLIVRER DES BACTÉRIES

Publication

**EP 3898953 A1 20211027 (EN)**

Application

**EP 19829637 A 20191223**

Priority

- US 201862783258 P 20181221
- US 201962802777 P 20190208
- US 201916696769 A 20191126
- EP 2019082640 W 20191126
- EP 2019086990 W 20191223

Abstract (en)

[origin: WO2020128108A1] The present disclosure relates generally to bacterial delivery vehicles for use in efficient transfer of a desired payload into a target bacterial cell. More specifically, the present disclosure relates to bacterial delivery vehicles with desired host ranges based on the presence of a chimeric receptor binding protein (RBP) composed of a fusion between the N-terminal region of a RBP derived from a lambda-like bacteriophage and the C-terminal region of a different RBP, and/or the presence of an engineered branched receptor binding multi-subunit polypeptides ("branched-RBP").

IPC 8 full level

**C12N 7/00** (2006.01); **A61P 31/00** (2006.01); **C07K 14/005** (2006.01)

CPC (source: EP IL KR)

**A61K 48/00** (2013.01 - KR); **A61P 31/00** (2017.12 - EP IL); **A61P 31/04** (2017.12 - KR); **C07K 14/005** (2013.01 - EP IL KR); **C12N 15/86** (2013.01 - EP IL KR); **C12N 2795/10322** (2013.01 - EP IL KR); **C12N 2795/10342** (2013.01 - EP IL); **C12N 2795/10343** (2013.01 - EP IL KR)

Citation (search report)

See references of WO 2020128108A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020128108 A1 20200625**; CA 3120160 A1 20200625; CN 113498435 A 20211012; EP 3898953 A1 20211027; IL 283796 A 20210729; JP 2022514700 A 20220214; KR 20210107053 A 20210831

DOCDB simple family (application)

**EP 2019086990 W 20191223**; CA 3120160 A 20191223; CN 201980085305 A 20191223; EP 19829637 A 20191223; IL 28379621 A 20210607; JP 2021536201 A 20191223; KR 20217022651 A 20191223