

Title (en)

METHODS AND APPARATUS FOR THE DELIVERY OF HEPATITIS B VIRUS (HBV) VACCINES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERABREICHUNG VON HEPATITIS-B-VIRUS (HBV)-IMPFSTOFFEN

Title (fr)

MÉTHODES ET APPAREIL POUR L'ADMINISTRATION DE VACCINS CONTRE LE VIRUS DE L'HÉPATITE B (VHB)

Publication

**EP 3727441 A1 20201028 (EN)**

Application

**EP 18830986 A 20181218**

Priority

- US 2017067269 W 20171219
- US 201762607430 P 20171219
- US 2018066157 W 20181218

Abstract (en)

[origin: WO2019126120A1] Methods and apparatus for the reproducible, consistent and efficacious delivery of an HBV vaccine to a subject. The disclosure comprises apparatus for the controlled administration of the HBV vaccine through an orifice to the subject, a plurality of penetrating electrodes arranged with a predetermined spatial relationship relative to the orifice, and an electrical signal generator operatively connected to the electrodes.

IPC 8 full level

**A61K 39/12** (2006.01); **A61K 39/29** (2006.01); **A61N 1/00** (2006.01); **A61P 31/14** (2006.01)

CPC (source: EP IL KR)

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Citation (search report)

See references of WO 2019126120A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2019126120 A1 20190627**; AU 2018390825 A1 20200618; BR 112020012171 A2 20201124; CA 3085492 A1 20190627; CN 111867624 A 20201030; EP 3727441 A1 20201028; IL 275429 A 20200831; JP 2021506431 A 20210222; KR 20200101388 A 20200827; MA 51292 A 20201028; MX 2020006478 A 20200922; SG 11202005709Q A 20200729

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**US 2018066157 W 20181218**; AU 2018390825 A 20181218; BR 112020012171 A 20181218; CA 3085492 A 20181218; CN 201880089692 A 20181218; EP 18830986 A 20181218; IL 27542920 A 20200617; JP 2020533179 A 20181218; KR 20207020181 A 20181218; MA 51292 A 20181218; MX 2020006478 A 20181218; SG 11202005709Q A 20181218