Title (en)

ORAL VACCINE FAST-DISSOLVING DOSAGE FORM USING STARCH

Title (de)

ORALE SCHNELL LÖSLICHE DARREICHUNGSFORM EINES IMPFSTOFFES UNTER VERWENDUNG VON STÄRKE

Title (fr)

FORME GALÉNIQUE À DISSOLUTION RAPIDE DE VACCIN ORAL UTILISANT DE L'AMIDON

Publication

EP 2624815 B8 20160921 (EN)

Application

EP 11779263 A 20111011

Priority

- US 39123810 P 20101008
- US 2011055689 W 20111011

Abstract (en)

[origin: US2012087944A1] A fast-dissolving dosage form (FDDF) for the delivery of a vaccine is prepared using a formulation containing a starch, optionally, along with at least one additional matrix forming agent, preferably, a combination of gelatin and mannitol, wherein an immune response is induced in a patient in need thereof.

IPC 8 full level

A61K 9/00 (2006.01); **A61K 39/145** (2006.01); **A61K 47/36** (2006.01)

CPC (source: EP KR RU US)

A61K 9/00 (2013.01 - RU); **A61K 9/0056** (2013.01 - EP KR US); **A61K 9/006** (2013.01 - EP KR US); **A61K 9/19** (2013.01 - KR); **A61K 9/2095** (2013.01 - EP KR US); **A61K 39/12** (2013.01 - EP KR US); **A61K 39/145** (2013.01 - EP KR RU US); **A61K 47/36** (2013.01 - KR RU); **A61P 31/16** (2017.12 - EP); **A61P 37/04** (2017.12 - EP); **C12N 7/00** (2013.01 - EP US); A61K 2039/542 (2013.01 - EP KR US); A61K 2039/55583 (2013.01 - EP KR US); A61K 2039/57 (2013.01 - EP KR US); A61K 2039/6087 (2013.01 - EP KR US); C12N 2760/16134 (2013.01 - EP US); C12N 2760/16151 (2013.01 - EP US)

Cited by

WO2020109485A1; WO2022058556A1; WO2022074127A2; WO2021018978A1; US11185470B2; US12005029B2; CN113301917A; EP3886896A1; IL282371B1; TWI819156B; US11224571B2; US11523988B2

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)

US 2012087944 A1 20120412; **US 9956169 B2 20180501**; AR 083361 A1 20130221; AU 2011312107 A1 20130502; AU 2011312107 B2 20160623; BR 112013009255 A2 20160726; BR 112013009255 B1 20210223; CA 2813146 A1 20120412; CA 2813146 C 20181218; CN 103347494 A 20131009; CN 108434089 A 20180824; CN 108434089 B 20200616; DK 2624815 T3 20161107; DK 3095441 T3 20210111; EP 2624815 A1 20130814; EP 2624815 B1 20160810; EP 2624815 B8 20160921; EP 3095441 A1 20161123; EP 3095441 B1 20201202; ES 2602506 T3 20170221; ES 2842290 T3 20210713; HK 1253541 A1 20190621; HU E052853 T2 20210528; JP 2013539766 A 20131028; JP 2016199605 A 20161201; JP 6061859 B2 20170118; JP 6403738 B2 20181010; KR 101751964 B1 20170628; KR 20140091461 A 20140721; MX 2013003875 A 20130624; MX 347101 B 20170412; PL 3095441 T3 20210614; PT 3095441 T 20210114; RU 2013119946 A 20141120; RU 2017137357 A 20190425; RU 2017137357 A3 20190425; RU 2639447 C2 20171221; WO 2012048333 A1 20120412

DOCDB simple family (application)

US 201113270411 A 20111011; AR P110103727 A 20111011; AU 2011312107 A 20111011; BR 112013009255 A 20111011; CA 2813146 A 20111011; CN 201180059059 A 20111011; CN 201810325584 A 20111011; DK 11779263 T 20111011; DK 16178493 T 20111011; EP 11779263 A 20111011; EP 16178493 A 20111011; ES 11779263 T 20111011; ES 16178493 T 20111011; HK 18112743 A 20181008; HU E16178493 A 20111011; JP 2013533011 A 20111011; JP 2016176393 A 20160909; KR 20137011905 A 20111011; MX 2013003875 A 20111011; PL 16178493 T 20111011; PT 16178493 T 20111011; RU 2013119946 A 20111011; RU 2017137357 A 20171025; US 2011055689 W 20111011