

Title (en)

ELECTROKINETIC DELIVERY SYSTEMS, DEVICES AND METHODS

Title (de)

ELEKTROKINETISCHES ABGABESYSTEM, VORRICHTUNGEN UND VERFAHREN

Title (fr)

SYSTEMES, DISPOSITIFS ET PROCEDES DE RELARGAGE ELECTROKINETIQUE DE MEDICAMENT

Publication

**EP 1740497 A4 20151111 (EN)**

Application

**EP 05779953 A 20050421**

Priority

- US 2005013728 W 20050421
- US 56449704 P 20040421

Abstract (en)

[origin: WO2005113419A2] Devices, systems and methods according to the present invention utilize electrokinetic pumps capable of generating high and low pressures flow for various medical applications, including drug delivery and analyte sampling. The EK pumps and systems are configured and constructed to be low cost, compact and precise.

IPC 8 full level

**A61M 1/00** (2006.01); **A61M 5/142** (2006.01); **A61M 5/148** (2006.01); **A61M 31/00** (2006.01); **A61N 1/30** (2006.01); **B67D 5/00** (2006.01); **B67D 99/00** (2010.01); **C25B 9/00** (2006.01); **F04B 19/00** (2006.01); **F04B 43/04** (2006.01); **F04F 99/00** (2009.01); **A61M 5/145** (2006.01); **A61M 5/172** (2006.01)

CPC (source: EP US)

**A61M 5/14248** (2013.01 - EP); **A61M 5/14276** (2013.01 - EP); **A61M 5/1483** (2013.01 - EP US); **F04B 19/006** (2013.01 - EP); **F04B 43/043** (2013.01 - EP US); **A61M 5/1723** (2013.01 - EP); **A61M 2005/14513** (2013.01 - EP); **A61M 2205/52** (2013.01 - EP); **A61M 2230/201** (2013.01 - EP)

Citation (search report)

- [A] US 3923426 A 19751202 - THEEUWES FELIX
- [A] US 4886514 A 19891212 - MAGET HENRI J R [US]
- [A] WO 9851502 A1 19981119 - SARNOFF CORP [US]
- [A] US 5351164 A 19940927 - GRIGORTCHAK IVAN I [UA], et al
- [A] US 5942093 A 19990824 - RAKESTRAW DAVID J [US], et al
- [A] WO 9850787 A1 19981112 - SARNOFF CORP [US]
- See references of WO 2005113419A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005113419 A2 20051201**; **WO 2005113419 A3 20071227**; AU 2005245347 A1 20051201; CA 2564800 A1 20051201; CA 2564800 C 20140415; CN 101365885 A 20090211; CN 101365885 B 20110803; EP 1740497 A2 20070110; EP 1740497 A4 20151111; JP 2008504794 A 20080214; JP 4646976 B2 20110309

DOCDB simple family (application)

**US 2005013728 W 20050421**; AU 2005245347 A 20050421; CA 2564800 A 20050421; CN 200580018679 A 20050421; EP 05779953 A 20050421; JP 2007509658 A 20050421