



(11) **EP 2 968 881 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(51) Int Cl.:
A61M 31/00 ^(2006.01) **A61B 5/00** ^(2006.01)
A61M 25/00 ^(2006.01) **A61M 37/00** ^(2006.01)
A61N 1/36 ^(2006.01) **A61B 90/00** ^(2016.01)

(48) Corrigendum issued on:
09.10.2019 Bulletin 2019/41

(86) International application number:
PCT/US2014/025018

(45) Date of publication and mention
of the grant of the patent:
01.05.2019 Bulletin 2019/18

(87) International publication number:
WO 2014/159757 (02.10.2014 Gazette 2014/40)

(21) Application number: **14774821.4**

(22) Date of filing: **12.03.2014**

(54) **APPARATUS FOR DELIVERY OF MEDICATION TO THE BRAIN TO TREAT NEUROLOGICAL CONDITIONS**

VORRICHTUNGEN ZUR VERABREICHUNG VON ARZNEIMITTELN IN DAS GEHIRN ZUR
BEHANDLUNG VON NEUROLOGISCHEN LEIDEN

APPAREIL D'ADMINISTRATION DE MÉDICAMENT AU CERVEAU POUR TRAITER DES ÉTATS
NEUROLOGIQUES

(84) Designated Contracting States:
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

- **SPEHR, Paul**
San Antonio, TX 78255 (US)
- **HORLEN, Kyle**
San Antonio, TX 78259 (US)

(30) Priority: **14.03.2013 US 201313827468**

(74) Representative: **Rees, Kerry**
WP Thompson
138 Fetter Lane
London EC4A 1BT (GB)

(43) Date of publication of application:
20.01.2016 Bulletin 2016/03

(73) Proprietor: **Incube Labs, LLC**
San Jose, CA 95131 (US)

(56) References cited:
WO-A1-2012/047931 WO-A1-2012/047931
US-A1- 2009 131 857 US-A1- 2012 289 816
US-B1- 6 458 118

(72) Inventors:

- **IMRAN, Mir**
Los Altos Hills, CA 94022 (US)
- **MORGAN, Phillip**
San Antonio, TX 78205 (US)
- **TRANCHINA, Ben**
Boerne, TX 78015 (US)

- **AMANO, YOSHIYUKI.**: 'The cerebrospinal fluid
production rate in the experimentally induced
edematous brain and influences of
dexamethasone upon it.' **NAGOYA JOURNAL OF**
MEDICAL SCIENCE 1969, pages 427 - 441,
XP055286518

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 2 968 881 B8

专利名称(译)	用于将药物输送到大脑以治疗神经系统疾病的设备		
公开(公告)号	EP2968881B8	公开(公告)日	2019-10-09
申请号	EP2014774821	申请日	2014-03-12
[标]申请(专利权)人(译)	因库博实验室有限责任公司		
申请(专利权)人(译)	INCUBE实验室有限责任公司		
当前申请(专利权)人(译)	INCUBE实验室有限责任公司		
[标]发明人	IMRAN MIR MORGAN PHILLIP TRANCHINA BEN SPEHR PAUL HORLEN KYLE		
发明人	IMRAN, MIR MORGAN, PHILLIP TRANCHINA, BEN SPEHR, PAUL HORLEN, KYLE		
IPC分类号	A61M31/00 A61B5/00 A61M25/00 A61M37/00 A61N1/36 A61B90/00		
优先权	13/827468 2013-03-14 US		
其他公开文献	EP2968881A4 EP2968881A2 EP2968881B1		
外部链接	Espacenet		

摘要(译)

各种实施例提供了一种用于通过将固体形式的药物输送到脑室或大脑其他区域来治疗神经系统疾病的设备，系统方法。特定的实施方案提供了通过将固体形式的药物递送至脑中的心室来治疗癫痫和其他神经系统疾病的设备和方法，其中药物包含在扩散室中以使药物溶解于脑的脑脊液中，然后扩散出扩散腔，然后传递到心室和脑组织。在一个或多个实施例中，装置的各部分具有足够的柔性，以使其在进入脑室时顺应脑室的形状和/或不会引起足以引起明显的生理作用的脑室变形。