



(12) **CORRECTED EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(15) Correction information:
Corrected version no 1 (W1 A1)
Corrections, see
Bibliography INID code(s) 71

(48) Corrigendum issued on:
26.11.2014 Bulletin 2014/48

(43) Date of publication:
03.09.2014 Bulletin 2014/36

(21) Application number: **12843367.9**

(22) Date of filing: **23.10.2012**

(51) Int Cl.:
C07C 271/28 ^(2006.01) **C07C 269/04** ^(2006.01)
C07C 233/43 ^(2006.01) **C07C 231/02** ^(2006.01)
C07D 235/26 ^(2006.01) **A61K 31/27** ^(2006.01)
A61K 31/167 ^(2006.01) **A61K 31/4184** ^(2006.01)
A61P 25/08 ^(2006.01) **A61P 25/04** ^(2006.01)
A61P 25/28 ^(2006.01) **A61P 25/00** ^(2006.01)
A61P 9/10 ^(2006.01)

(86) International application number:
PCT/CN2012/001423

(87) International publication number:
WO 2013/060097 (02.05.2013 Gazette 2013/18)

(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

(30) Priority: **25.10.2011 CN 201110328036**

(71) Applicant: **Shanghai Institute of Materia Medica,**
Chinese Academy of Sciences
Zhangjiang, Pudong
Shanghai 201203 (CN)

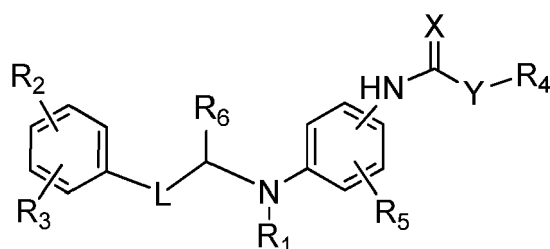
(72) Inventors:
• **NAN, Fajun**
Shanghai 201203 (CN)
• **LI, Min**
Shanghai 201203 (CN)
• **GAO, Zhaobing**
Shanghai 201203 (CN)

- **CHEN, Fei**
Shanghai 201203 (CN)
- **ZHANG, Yangming**
Shanghai 201203 (CN)
- **ZHOU, Pingzheng**
Shanghai 201203 (CN)
- **HU, Haining**
Shanghai 201203 (CN)
- **XU, Haiyan**
Shanghai 201203 (CN)
- **LIU, Sheng**
Shanghai 201203 (CN)

(74) Representative: **Tischner, Oliver**
Lavoix Munich
Bayerstrasse 83
80335 München (DE)

(54) **NOVEL COMPOUND AS KCNQ POTASSIUM CHANNEL AGONIST, PREPARATION METHOD THEREFOR AND USE THEREOF**

(57) The present invention provides compounds having the structure represented by general formula I, pharmaceutically acceptable salts thereof agonist, preparation methods therefor and a use thereof in the preparation of a medicine for the treatment of nervous system diseases. The compounds or pharmaceutical compositions thereof can be used as the KCNQ potassium channel agonist for treating nervous system diseases. Compared to retigabine, a compound in the prior art, the compound of the present invention have the same or better therapeutic effect, are easier for synthesis and storage, and less prone to oxidate deterioration.



I