



(11) **EP 1 184 454 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

Note: Bibliography reflects the latest situation

(15) Correction information:
Corrected version no 1 (W1 B1)
INID code(s) 73

(51) Int Cl.:
C12N 15/00 ^(2006.01) **A01K 67/027** ^(2006.01)
C12N 15/12 ^(2006.01) **C07K 14/705** ^(2006.01)
C12N 15/62 ^(2006.01) **C07K 16/28** ^(2006.01)
C12N 5/10 ^(2006.01) **C12Q 1/00** ^(2006.01)
A61K 38/17 ^(2006.01) **C07K 14/05** ^(2006.01)

(48) Corrigendum issued on:
04.07.2007 Bulletin 2007/27

(45) Date of publication and mention
of the grant of the patent:
24.01.2007 Bulletin 2007/04

(21) Application number: **01306609.7**

(22) Date of filing: **01.08.2001**

(54) **Nav2 channel gene-deficient non-human animals**

Nicht menschliche Tiere mit einem Defekt im Nav2 Kanal-Gen

Animaux non-humains avec une déficience en gene du canal Nav2

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR

(30) Priority: **04.08.2000 JP 2000237320**
09.08.2000 JP 2000241637
23.07.2001 JP 2001222263

(43) Date of publication of application:
06.03.2002 Bulletin 2002/10

(73) Proprietor: **National Institutes of Natural Sciences**
Tokyo (JP)

(72) Inventors:
• **Noda, Masaharu**
Okazaki-shi,
Aichi 444-0872 (JP)
• **Watanabe, Eiji**
Okazaki-shi,
Aichi 444-0874 (JP)

(74) Representative: **Holliday, Louise Caroline**
D Young & Co
120 Holborn
London EC1N 2DY (GB)

(56) References cited:

- **FELIPE ANTONIO ET AL: "Primary structure and differential expression during development and pregnancy of a novel voltage-gated sodium channel in the mouse." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 269, no. 48, 1994, pages 30125-30131, XP002189070 ISSN: 0021-9258 -& DATABASE TREMBL [Online] Q62467, 1 November 1996 (1996-11-01) XP002189237 -& DATABASE EMBL [Online] L36179, 7 January 1995 (1995-01-07) XP002189238**
- **QUINN STEPHEN J ET AL: "Sodium and ionic strength sensing by the calcium receptor." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 31, 31 July 1998 (1998-07-31), pages 19579-19586, XP002189071 ISSN: 0021-9258**
- **AKOPIAN A N ET AL: "Structure and distribution of a broadly expressed atypical sodium channel" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 400, no. 2, 3 January 1997 (1997-01-03), pages 183-187, XP004262039 ISSN: 0014-5793**
- **JOHNSON ALAN KIM ET AL: "Sensory circumventricular organs and brain homeostatic pathways." FASEB (FEDERATION OF AMERICAN SOCIETIES FOR EXPERIMENTAL BIOLOGY), vol. 7, no. 8, 1993, pages 678-686, XP001057923 1993 ISSN: 0892-6638**

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

EP 1 184 454 B8

- WATANABE EIJI ET AL: "Nav2/NaG channel is involved in control of salt-intake behavior in the CNS." JOURNAL OF NEUROSCIENCE, vol. 20, no. 20, 15 October 2000 (2000-10-15), pages 7743-7751, XP002189073 ISSN: 0270-6474