



(11)

EP 2 657 244 B8

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

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

(48) Corrigendum issued on:
31.08.2016 Bulletin 2016/35

(45) Date of publication and mention
of the grant of the patent:
06.04.2016 Bulletin 2016/14

(21) Application number: **11850476.0**

(22) Date of filing: **22.12.2011**

(51) Int Cl.:
C07H 15/203 ^(2006.01) **A61K 8/60** ^(2006.01)
A61K 31/7034 ^(2006.01) **A61P 3/04** ^(2006.01)

(86) International application number:
PCT/JP2011/079933

(87) International publication number:
WO 2012/086812 (28.06.2012 Gazette 2012/26)

(54) **GLYCOSIDE COMPOUNDS AS GLP-1 SECRETION PROMOTING AGENTS**

GLYCOSIDVERBINDUNGEN ALS MITTEL ZUR FÖRDERUNG DER SEKRETION VON GLP-1

COMPOSÉS GLYCOSIDIQUES EN TANT QU'AGENTS PROMOTEURS DE LA PRODUCTION DE GLP-1

(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: **22.12.2010 JP 2010286207**

(43) Date of publication of application:
30.10.2013 Bulletin 2013/44

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(56) References cited:
EP-A1- 0 597 776 **EP-A1- 1 367 060**
JP-A- 6 065 051 **JP-A- 7 173 046**
JP-A- 8 113 528 **JP-A- 8 268 858**
JP-A- 8 268 868 **JP-A- 8 268 869**
JP-A- 8 268 870 **JP-A- 8 268 871**
JP-A- 11 071 225 **US-A1- 2003 153 030**
US-A1- 2009 111 739

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- "NOVEL CAPSAICINOID-LIKE SUBSTANCES, CAPSIATE AND DIHYDROCAPSIATE, FROM THE FRUITS OF A NONPUNGENT CULTIVAR, CH-19 SWEET, OF PEPPER (*CAPSIUM ANNUM* L.)", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, AMERICAN CHEMICAL SOCIETY, US, vol. 46, no. 5, 1 May 1998 (1998-05-01), pages 1695-1697, XP000751945, ISSN: 0021-8561, DOI: 10.1021/JF980135C
- FUMIHARU HIGASHIGUCHI ET AL: "Purification and Structure Determination of Glucosides of Capsaicin and Dihydrocapsaicin from Various Capsicum Fruits", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 54, no. 16, 1 August 2006 (2006-08-01), pages 5948-5953, XP055118581, ISSN: 0021-8561, DOI: 10.1021/jf0607720
- ASTRID J SMEETS ET AL: "The acute effects of a lunch containing capsaicin on energy and substrate utilisation, hormones, and satiety", EUROPEAN JOURNAL OF NUTRITION, STEINKOPFF-VERLAG, DA, vol. 48, no. 4, 24 February 2009 (2009-02-24), pages 229-234, XP019712654, ISSN: 1436-6215
- KOTO S. ET AL.: 'alpha-Glucosylation of phenols with tetra-O-benzyl-alpha-D-glucose' BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN vol. 54, no. 6, 1981, pages 1895 - 1896, XP055118286
- MORIKAWA T. ET AL.: 'Bioactive constituents from chinese natural medicines. XIV. New glycosides of beta-carboline-type alkaloid, neolignan, and phenylpropanoid from *Stellaria dichotoma* L. var. *lanceolata* and their antiallergic activities' CHEMICAL & PHARMACEUTICAL BULLETIN vol. 52, no. 10, 2004, pages 1194 - 1199, XP055118289
- YANG L. ET AL.: 'High-performance liquid chromatography-diode array detection/ electrospray ionization mass spectrometry for the simultaneous analysis of cis-, trans- and dihydro- 2-glucosyloxycinnamic acid derivatives from *Dendrobium* medicinal plants' RAPID COMMUNICATIONS IN MASS SPECTROMETRY vol. 21, no. 12, 2007, pages 1833 - 1840, XP055002784
- WU X. ET AL.: 'Chemical constituents of *Lavandula angustifolia*' HUAXUE XUEBAO vol. 65, no. 16, 2007, pages 1649 - 1653, XP008169518