



(11) **EP 1 399 424 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

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

(51) Int Cl.:
C07D 223/22 ^(2006.01) **A61K 31/55** ^(2006.01)
A61P 25/08 ^(2006.01)

(48) Corrigendum issued on:
01.10.2008 Bulletin 2008/40

(86) International application number:
PCT/GB2002/002356

(45) Date of publication and mention
of the grant of the patent:
09.07.2008 Bulletin 2008/28

(87) International publication number:
WO 2002/096881 (05.12.2002 Gazette 2002/49)

(21) Application number: **02774050.5**

(22) Date of filing: **22.05.2002**

(54) **METHOD FOR PREPARATION OF 10,11-DIHYDRO-10-HYDROXY-5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE AND 10,11-DIHYDRO-10-OXO-5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE**

VERFAHREN ZUR HERSTELLUNG VON 10,11 DIHYDRO 10 HYDROXY 5H-DIBENZ/B,F/AZEPIN-5-CARBONSÄUREAMID UND 10,11 DIHYDRO 10 OXO-5H-DIBENZ/B,F/AZEPIN-5 CARBONSÄUREAMID

PROCEDE DE PREPARATION DU 10,11-DIHYDRO-10-HYDROXY-5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE ET DU 10,11-DIHYDRO-10-OXO-5H-DIBENZ/B,F/AZEPINE-5-CARBOXAMIDE

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

(56) References cited:
CH-A- 642 950 **DE-A- 2 246 842**
NL-A- 7 902 811 **US-A- 5 753 646**

(30) Priority: **25.05.2001 GB 0112812**

(43) Date of publication of application:
24.03.2004 Bulletin 2004/13

(60) Divisional application:
08075527.5 / 1 958 938

(73) Proprietor: **BIAL - Portela & Ca., S.A.**
Av. da Siderurgia Nacional
4745-457 S. Mamede do Coronado - Trofa (PT)

(72) Inventor: **LEARMONTH, David, Alexander**
P-4470-225 Maia (PT)

(74) Representative: **Curtis, Philip Anthony et al**
A.A. Thornton & Co.
235 High Holborn
London WC1V 7LE (GB)

- **K.M. BAKER, J. CSETENYI, A. FRIGERIO, P.L. MORSELLI: "a metabolite of carbamazepine" J. OF MED. CHEMISTRY, vol. 16, no. 6, 1973, pages 703-705, XP002209649 cited in the application**
- **CANALI L ET AL: "Synthesis of resins with pendently-bound chiral manganese-salen complexes and use as heterogeneous asymmetric alkene epoxidation catalysts" REACTIVE & FUNCTIONAL POLYMERS, ELSEVIER SCIENCE PUBLISHERS BV, NL, vol. 40, no. 2, 15 May 1999 (1999-05-15), pages 155-168, XP004164106 ISSN: 1381-5148**
- **SENANAYAKE C H ET AL: "The Role of 4-(3-Phenylpropyl)pyridine N-Oxide (P3NO) in the Manganese-Salen-Catalyzed Asymmetric Epoxidation of Indene" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 37, no. 19, 6 May 1996 (1996-05-06), pages 3271-3274, XP004029376 ISSN: 0040-4039**

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 1 399 424 B8

- G. BELLUCCI, G. BERTI, C. CHIAPPE, A. LIPPI, F. MARIONI: "the metabolism of carbamazepine in Humans" J. MED. CHEM, vol. 30, 1987, pages 768-773, XP002209650 cited in the application
- M. OSHIMA, H. YAMAZAKI, I. SHIMIZU, M. NISAR, J. TSUJI: "Palladium-Catalyzed selective hydrogenolysis of alkenyloxiranes with formic acid." J. AM. CHEM. SOC, vol. 111, 1989, pages 6280-6287, XP002209651
- E. J. COREY: " a new Cr(IV) reagent for the catalytic oxidation of secondary alcohols" TETRAHEDRON LETTERS, vol. 26, no. 48, 1985, pages 5855-5858, XP001095121
- GRANT S M ET AL: "OXCARBAZEPINE. A REVIEW OF ITS PHARMACOLOGY AND THERAPEUTIC POTENTIAL IN EPILEPSY, TRIGEMINAL NEURALGIA AND AFFECTIVE DISORDERS" DRUGS, ADIS INTERNATIONAL LTD, AT, vol. 43, no. 6, 1992, pages 873-888, XP002039768 ISSN: 0012-6667 cited in the application
- BENES J ET AL: "Anticonvulsant and Sodium Channel-Blocking Properties of Novel 10,11-Dihydro-5H-dibenz[b,f]azepine-5-carb oxamide Derivatives" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 42, 1999, pages 2582-2587, XP002206156 ISSN: 0022-2623 cited in the application
- S.-I. MURAHASHI, T. NAOTA, Y. ODA, N. HIRAI: "Ruthenium catalysed oxidation of Alcohols with peracids" SYNLETT, vol. 7, 1995, XP001093973