(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
7 September 2012 (07.09.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/117076 A3

(51) International Patent Classification:
A61K 31/137 (2006.01) *A61K 31/64* (2006.01)
A61K 31/138 (2006.01) *A61P 25/16* (2006.01)
A61K 31/185 (2006.01) *A61P 25/28* (2006.01)
A61K 31/195 (2006.01) *A61P 25/00* (2006.01)
A61K 31/42 (2006.01)

(21) International Application Number:
PCT/EP2012/053570

(22) International Filing Date:
1 March 2012 (01.03.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

11305217.9	1 March 2011 (01.03.2011)	EP
61/468,658	29 March 2011 (29.03.2011)	US
11305687.3	6 June 2011 (06.06.2011)	EP
61/493,606	6 June 2011 (06.06.2011)	US

(71) Applicant *(for all designated States except US)*: **PHARNEXT** [FR/FR]; 11 Rue des Peupliers, F-92130 Issy Les Moulineaux (FR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **COHEN, Daniel** [FR/FR]; 61 avenue des Courlis, F-78110 Le Vésinet (FR). **CHUMAKOV, Ilya** [FR/FR]; 691 rue de la Noue, F-77000 Vaux Le Penil (FR). **NABIROCHKIN, Serguei** [FR/FR]; 49 avenue de Sully Prud'homme, F-92290 Chatenay Malabry (FR). **VIAL, Emmanuel** [FR/FR]; 78, boulevard Diderot, F-75012 Paris (FR). **GUEDJ, Mickaël** [FR/FR]; 42 rue Godefroy Cavaignac, F-75011 Paris (FR).

(74) Agents: **BECKER, Philippe** et al.; Becker & Associes, 25 rue Louis Le Grand, F-75002 Paris (FR).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
26 October 2012

(54) Title: BACLOFEN AND ACAMPROSATE BASED THERAPY OF NEUROGICAL DISORDERS

(57) Abstract: The present invention relates to combinations and methods for the treatment of neurological disorders related to glutamate excitotoxicity and Amyloid β toxicity. More specifically, the present invention relates to novel combinatorial therapies of Multiple Sclerosis, Alzheimer's disease, Alzheimer's disease related disorder, Amyotrophic Lateral Sclerosis, Parkinson's disease, Huntington's disease, neuropathic pain, alcoholic neuropathy, alcoholism or alcohol withdrawal, or spinal cord injury, based on Baclofen and Acamprosate combination.

WO 2012/117076 A3