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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 May 2012 (24.05.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/066103 A3

(51) International Patent Classification:
C07K 14/47 (2006.01)

(21) International Application Number:
PCT/EP2011/070404

(22) International Filing Date:
17 November 2011 (17.11.2011)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PCT/IB2010/003158
18 November 2010 (18.11.2010) IB

(71) Applicants *(for all designated States except US)*: **CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -** [FR/FR]; 3, rue Michel Ange, F-75794 Paris Cedex 16 (FR). **UNIVERSITE DE MONTPELLIER 2 - SCIENCES ET TECHNIQUES** [FR/FR]; Place Eugène Bataillon, 34095 Montpellier Cedex (FR).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BARRERE, Stéphanie** [FR/FR]; 5, rue des Mattes, F-34230 Vendemian (FR). **NARGEOT, Joël** [FR/FR]; 9, rue de Nazareth, Bat. G1, F-34090 Montpellier (FR). **LEBLEU, Bernard** [BE/FR]; 140, rue Pioch de Boutonnet, Bat. A1, F-34090 Montpellier (FR). **BOISGUERIN, Prisca** [FR/FR]; 8, rue la Preneuse, F-30240 Le Graud-du-Roi (FR). **PIOT, Christophe** [FR/FR]; 172 avenue de Peyre Grosse, F-34980 Saint Clément de Rivière (FR).

(74) Agents: **CABINET PLASSERAUD** et al.; 52, rue de la Victoire, F-75440 Paris Cedex 09 (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).

Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

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))*

— *with sequence listing part of description (Rule 5.2(a))*

(88) Date of publication of the international search report:
16 August 2012

WO 2012/066103 A3

(54) Title: INHIBITORS OF APOPTOSIS AND USES THEREOF

(57) Abstract: The invention relates to fragments of the DAXX and FADD proteins that inhibit cell apoptosis, in particular cell apoptosis mediated by the Fas receptor. The invention also relates to derivatives of said anti-apoptotic fragments, conjugates comprising said fragments, pharmaceutical compositions comprising said fragments, and to the medical applications of said fragments, derivatives, conjugates, and pharmaceutical compositions thereof in the treatment or prevention of diseases and conditions associated with apoptosis.