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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 July 2012 (12.07.2012)

WIPO | PCT

(10) International Publication Number
WO 2012/094328 A2

(51) International Patent Classification:
G06F 3/06 (2006.01)

(21) International Application Number:
PCT/US2012/020092

(22) International Filing Date:
3 January 2012 (03.01.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/429,350 3 January 2011 (03.01.2011) US
61/564,549 29 November 2011 (29.11.2011) US

(71) Applicant *(for all designated States except US)*: **CURIS, INC.** [US/US]; 4 Maguire Road, Lexington, MA 02421 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **CAI, Xiong** [US/US]; 37 Liberty Rd., Bedford, MA 01730 (US). **QIAN, Changgeng** [US/US]; 163 Old Connecticut Path, Wayland, MA 01778 (US). **ZHAI, Haixiao** [US/US]; 283 South Road, Bedford, MA 01730 (US).

(74) Agents: **HARLAN, Edgar W.** et al.; Elmore Patent Law Group, PC, 484 Groton Road, Westford, MA 01886 (US).

(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:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

WO 2012/094328 A2

(54) Title: HEDGEHOG ANTAGONISTS HAVING ZINC BINDING MOIETIES

(57) Abstract: The present invention provides compounds which antagonize hedgehog signaling and inhibit HDAC activity. The compounds can be used in methods of treating proliferative diseases and disorders such as cancer.