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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
22 April 2010 (22.04.2010)

PCT

(10) International Publication Number
WO 2010/042997 A1

(51) **International Patent Classification**:
A61K 38/17 (2006.01) *A61P 13/12* (2006.01)
A61K 38/04 (2006.01)

(21) **International Application Number**:
PCT/AU2009/001367

(22) **International Filing Date**:
16 October 2009 (16.10.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
2008905378 17 October 2008 (17.10.2008) AU

(71) **Applicant** *(for all designated States except US)*: **VECTUS BIOSYSTEMS PTY LIMITED** [AU/AU]; 3-11 Primrose Avenue, Rosebery, NSW 2018 (AU).

(72) **Inventor; and**
(75) **Inventor/Applicant** *(for US only)*: **DUGGAN, Karen, Annette** [AU/AU]; 3 Soudan Street, Randwick, NSW 2031 (AU).

(74) **Agent**: **SHELSTON IP**; 60 Margaret Street, Sydney, NSW 2000 (AU).

(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, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, 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))*

WO 2010/042997 A1

(54) **Title**: COMPOSITIONS AND METHODS FOR TREATMENT OF KIDNEY DISORDERS

(57) **Abstract**: The invention relates to compositions comprising vasoactive intestinal peptide (VIP) or fragments thereof, and the use of such compositions in the treatment of kidney disease, in particular kidney fibrosis, and other associated conditions.