



- (51) International Patent Classification:
B01D 15/08 (2006.01) *C07K 1/16* (2006.01)
C07K 16/06 (2006.01)
- (21) International Application Number:
PCT/SG2012/000199
- (22) International Filing Date:
1 June 2012 (01.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/494,669 8 June 2011 (08.06.2011) US
61/494,687 8 June 2011 (08.06.2011) US
201108397-9 14 November 2011 (14.11.2011) SG
61/653,950 31 May 2012 (31.05.2012) US
- (71) Applicant (for all designated States except US):
**AGENCY FOR SCIENCE, TECHNOLOGY AND RE-
SEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10 Connex-
is, Singapore 138632 (SG).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **GAGNON, Peter,
Stanley** [US/SG]; 20 Biopolis Way, #16-01, Centros,
Singapore 138668 (SG).
- (74) Agent: **ELLA CHEONG SPRUSON & FERGUSON
(SINGAPORE)**; P.O. Box 1531, Robinson Road Post Of-
fice, Singapore 903031 (SG).
- (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, 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))

(54) Title: PURIFICATION OF BIOLOGICAL PRODUCTS BY CONSTRAINED COHYDRATION CHROMATOGRAPHY

(57) Abstract: Materials and methods for use of constrained cohydration agents in the purification of biological materials such as antibodies, viruses, cells, and cellular organelles in connection with convective chromatography, fluidized bed or co-precipitation applications.

