

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
11 August 2022 (11.08.2022)



(10) International Publication Number
WO 2022/167891 A1

(51) International Patent Classification:

C08K 3/36 (2006.01) B01J 20/30 (2006.01)

Published:

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

(21) International Application Number:

PCT/IB2022/050579

(22) International Filing Date:

24 January 2022 (24.01.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202141004532 02 February 2021 (02.02.2021) IN

(71) Applicant: **BIOCON BIOLOGICS LIMITED** [IN/IN];

Biocon House, Ground Floor, Tower – 3, Semicon Park,
Electronic City, Phase - II, Hosur Road, Karnataka, Bengaluru 560100 (IN).

(72) Inventors: **ALAGURAJAN, Sathish**; Flat No 861, 25th

Cross Ananth Nagar, Electronic City Phase-2, Karnataka,
Bengaluru 560100 (IN). **KAMATH, Sandeep V**; Flat No.
211 A, Euphoria, Near Suncity Apartments, Sarjapur Orr,
Ibblur, Karnataka, Bengaluru 560102 (IN). **QAIS, Shaban-**
dri; Flat No. 4104, Prestige Sunrise Park-Norwood, Elec-
tronic City, Phase 1, Karnataka, Bengaluru 560100 (IN).

(74) Agent: **MAJUMDAR, Subhatosh** et al.; S. Majumdar

& Co., 5 Harish Mukherjee Road, State of West Bengal,
Kolkata 700 025 (IN).

(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, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, 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, ST, 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,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: A PROCESS FOR THE REGENERATION OF SILICA BASED REVERSE PHASE CHROMATOGRAPHY MATERIAL

(57) Abstract: The present invention relates to a process for the regeneration of the spent silica resin used in chromatography without unpacking resin from chromatography column. The process comprises 3 steps, namely: contacting the chromatography resin with re-generation solution, neutralizing the regenerated chromatography resin with neutralization solution and washing the neutralized chromatography resin with wash solution.

WO 2022/167891 A1