

(51) International Patent Classification:
A61K 38/00 (2006.01)(21) International Application Number:
PCT/IB2012/056616(22) International Filing Date:
22 November 2012 (22.11.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/581,708 30 December 2011 (30.12.2011) US(71) Applicant: GRIFOLS, S.A. [ES/ES]; C/ Jesús y María, 6,
08022 Barcelona (ES).(72) Inventors: FORSHAG, Mark; 103 Riverbirch Point, Car-
rboro, NC 27510 (US). WALTRIP, Royce; 101 Mill Run
Drive, Chapel Hill, NC 27510 (US). GARLINGHOUSE,
Les; 105 Wild Brook Court, Cary, NC 27519 (US).
BARNETT, William; 204 Mel Oak Drive, Chapel Hill,
NC 27516 (US).(74) Agents: DURAN MOYA, Luis-alfonso et al.; Còrsega,
329 (pg. de Gràcia / Diagonal), 08037 Barcelona (ES).(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, 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, PA, 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).

Declarations under Rule 4.17:

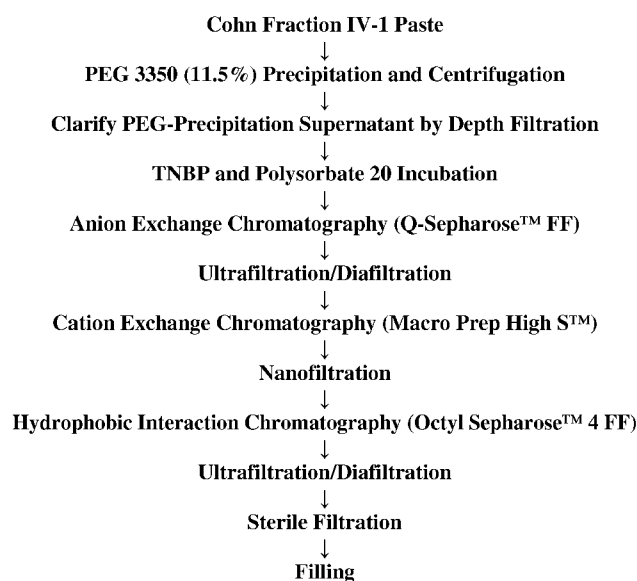
— as to the identity of the inventor (Rule 4.17(i))

[Continued on next page]

(54) Title: ALPHA1-PROTEINASE INHIBITOR FOR DELAYING THE ONSET OR PROGRESSION OF PULMONARY EX-
ACERBATIONS

FIG. 2

Flow Diagram of a Method for Preparing A1PI

(57) Abstract: Alpha₁-proteinase inhibitor for delaying the
onset or progression of pulmonary exacerbations. Described
herein are methods for delaying the onset or diminishing the
progression of pulmonary exacerbations by the administra-
tion of inhaled alpha₁-proteinase inhibitor.



-
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *of inventorship (Rule 4.17(iv))*
- Published:**
- *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*