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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
4 July 2013 (04.07.2013)

WIPO | PCT

(10) International Publication Number
WO 2013/098651 A1

(51) International Patent Classification:
C12P 21/00 (2006.01) *C12P 21/02* (2006.01)
C12N 15/81 (2006.01)

(21) International Application Number:
PCT/IB2012/003077

(22) International Filing Date:
28 December 2012 (28.12.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/581,859 30 December 2011 (30.12.2011) US

(71) Applicant: **OXYRANE UK LIMITED** [GB/GB]; Greenheys House, Manchester Science Park, 10 Pencroft Way, Manchester M15 6JJ (GB).

(72) Inventors: **VERVECKEN, Wouter**; Edmond Van Hoorebekestraat 90, B-9050 Gent-Ledeberg (BE). **RYCKAERT, Stefan**; Nekkervijverstraat, B-75 - 9040 Sint-Amandsberg (BE).

(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).

Published:

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

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

— *with sequence listing part of description (Rule 5.2(a))*

WO 2013/098651 A1

(54) Title: METHODS AND MATERIALS FOR REDUCING DEGRADATION OF RECOMBINANT PROTEINS

(57) Abstract: Described herein are methods and materials for reducing degradation of recombinant proteins in fungal cells such as *Yarrowia*.