

CORRECTED VERSION

(19) World Intellectual Property
Organization
International Bureau



WIPO | PCT



(10) International Publication Number
WO 2012/169969 A8

(43) International Publication Date
13 December 2012 (13.12.2012)

(51) International Patent Classification:

C12N 15/80 (2006.01) C12N 15/65 (2006.01)
C12N 15/64 (2006.01) C12N 15/113 (2010.01)

(21) International Application Number:

PCT/SG2012/000164

(22) International Filing Date:

10 May 2012 (10.05.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/495,619 10 June 2011 (10.06.2011) US

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(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).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

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

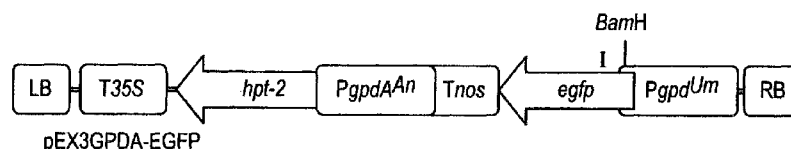
(48) Date of publication of this corrected version:

5 December 2013

(15) Information about Correction:

see Notice of 5 December 2013

(54) Title: GENETIC MANIPULATION AND EXPRESSION SYSTEMS FOR PUCCINIOMYCOTINA AND USTILAGINOMYCOTINA SUBPHYLA



(57) Abstract: The present invention relates to the application of isolated promoters and synthetic dominant selection constructs and enhancers for gene targeting for efficient production of genetically modified cells in a species selected from the Pucciniomycotina and Ustilaginomycotina subphyla, in particular, species selected from the Rhodosporidium, Sporisorium, Sporobolomyces or Ustilago genera.