

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 March 2006 (23.03.2006)

PCT

(10) International Publication Number
WO 2006/031779 A3

(51) International Patent Classification:
C12N 5/14 (2006.01) *A01H 5/10* (2006.01)
C12N 15/82 (2006.01)

(74) Agent: HANSON, Robert, E.; Fulbright & Jaworski,
L.L.P., Suite 2400, 600 Congress Avenue, Austin, TX
78701 (US).

(21) International Application Number:
PCT/US2005/032496

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date:
12 September 2005 (12.09.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/609.770 14 September 2004 (14.09.2004) US

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 60/609,770 (CON)
Filed on 14 September 2004 (14.09.2004)

(71) Applicant (*for all designated States except US*): MON-SANTO TECHNOLOGY LLC [US/US]; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): RUEZINSKY, Diane, M. [US/US]; 800 North Lindbergh Blvd., St. Louis, MO 63167 (US). TZAFRIR, Iris [US/US]; 800 North Lindbergh Blvd., St. Louis, MO 63167 (US). CONNER, Timothy, W. [US/US]; 800 North Lindbergh Blvd., St. Louis, MO 63167 (US).

(88) Date of publication of the international search report:
26 October 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROMOTER MOLECULES FOR USE IN PLANTS

(57) Abstract: The present invention relates to polynucleotide molecules for regulating gene expression in plants. In particular, the invention relates to promoters isolated from *Glycine max* and *Arabidopsis thaliana* that are useful for regulating gene expression of heterologous polynucleotide molecules in plants. The invention also relates to expression constructs and transgenic plants containing the heterologous polynucleotide molecules.



WO 2006/031779 A3