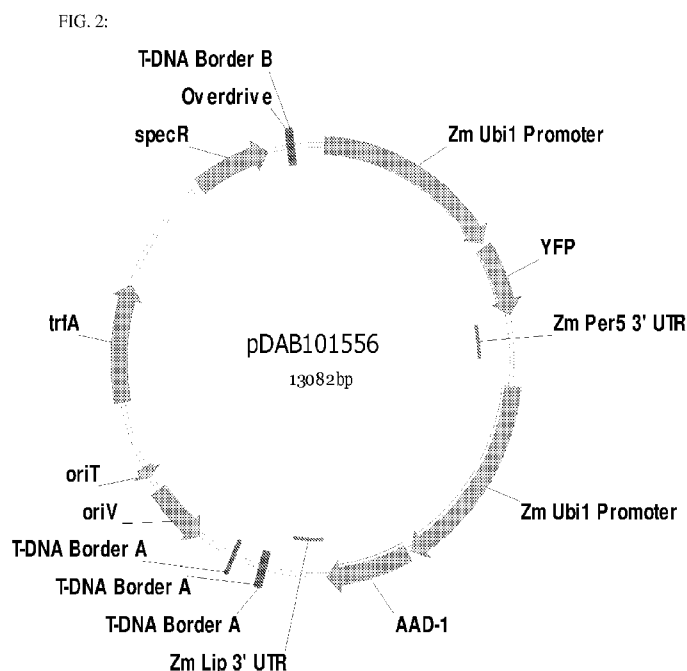




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- (71) Applicant: **DOW AGROSCIENCES LLC** [US/US];  
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- (72) Inventors; and  
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- (74) Agent: **RUSSELL, Sean**; Dow AgroSciences LLC, 9330 Zionsville Road, Indianapolis, Indiana 46268 (US).
- (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, JP, KE, KG, 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, 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, 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,

(54) Title: PLANT PROMOTER AND 3' UTR FOR TRANSGENE EXPRESSION



(57) Abstract: This disclosure concerns compositions and methods for promoting transcription and translation of a nucleotide sequence in a plant or plant cell, employing a 3'UTR from *Arabidopsis thaliana* Ubiquitin-10 gene. Some embodiments relate to a 3' UTR from an *Arabidopsis thaliana* Ubiquitin-10 gene that functions in plants to terminate transcription of operably linked nucleotide sequences.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

**Published:**

- *with international search report (Art. 21(3))*
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- *with information concerning request for restoration of the right of priority in respect of one or more priority claims (Rules 26bis.3 and 48.2(b)(vii))*
- *with sequence listing part of description (Rule 5.2(a))*

**(88) Date of publication of the international search report:**

04 January 2018 (04.01.2018)

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. C12N15/82  
ADD.  
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED  
Minimum documentation searched (classification system followed by classification symbols)  
C12N  
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
EPO-Internal, BIOSIS, Sequence Search, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LAMPROPOULOS ATHANASIOS ET AL: "GreenGate - A Novel, Versatile, and Efficient Cloning System for Plant Transgenesis", PLOS ONE, vol. 8, no. 12, E83043, December 2013 (2013-12), pages 1-15, XP002774892, DOI: 10.1371/journal.pone.0083043 the whole document; in particular table 1; 100% identity to SEQ ID NO:1 over 527 bp -----	1-26
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Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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Date of the actual completion of the international search  20 October 2017	Date of mailing of the international search report  10/11/2017
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Kania, Thomas

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2016/051871

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Judy Callis ET AL: "Structure and Evolution of Genes Encoding Polyubiquitin and Ubiquitin-Like Proteins in Arabidopsis thaliana Ecotype Columbia", Genetics</p> <p>February 1995 (1995-02), XP055417281, Retrieved from the Internet: URL:<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1206391/pdf/ge1392921.pdf">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1206391/pdf/ge1392921.pdf</a> [retrieved on 2017-10-20] figure 3</p>	1-26
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