

- (51) International Patent Classification:
C12N 15/82 (2006.01) A01P 13/00 (2006.01)
A01H 6/54 (2018.01)

(21) International Application Number:
PCT/US2024/058810

(22) International Filing Date:
06 December 2024 (06.12.2024)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
63/609,784 13 December 2023 (13.12.2023) US

(71) Applicant: MONSANTO TECHNOLOGY LLC
[US/US]; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US).

(72) Inventors: BROWN, Sarah; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). ELLIS, Christine; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). GAETA, Robert; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). GOODWIN, Zane; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). HO-HORST, Diane; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). LARUE, Clayton, Tyler; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). RYMARQUIS, Linda; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). SHI, Xiaohong; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US).

Lindbergh Boulevard, St. Louis, MO 63167 (US). WEIHE, Janice; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US). YE, Xudong; 800 North Lindbergh Boulevard, St. Louis, MO 63167 (US).

(74) Agent: WILSON, Kristi, D.; Dentons US LLP, P.O. Box 1302, Chicago, IL 60604 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: TRANSGENIC SOYBEAN EVENT GM_CSM63717 AND COMPOSITIONS AND METHODS FOR DETECTION AND USES THEREOF

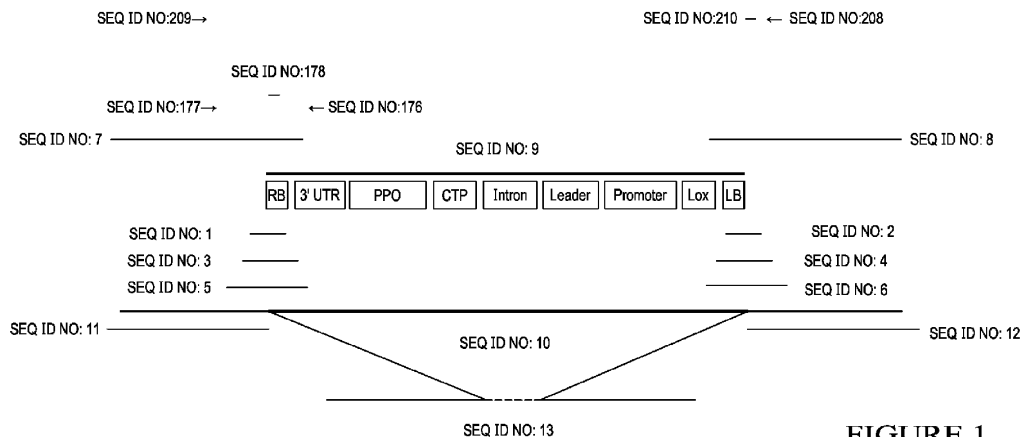


FIGURE 1

(57) Abstract: A transgenic soybean event, Gm_CSM63717, is provided. Transgenic plant cells, plant parts, plants, seeds, progeny plants, and agricultural and commodity products containing event Gm_CSM63717 are also provided. Recombinant DNA molecules unique to the event Gm_CSM63717, and methods of using and detecting Gm_CSM63717 are also provided. Soybean plants containing the event Gm_CSM63717 exhibit tolerance to PPO inhibitors.

[Continued on next page]

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))