

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
14 May 2020 (14.05.2020)



(10) International Publication Number
WO 2020/097012 A1

(51) International Patent Classification:

C07D 231/12 (2006.01) C07D 249/10 (2006.01)
C07D 405/10 (2006.01) A01N 43/653 (2006.01)
A01P 3/00 (2006.01) A01N 43/647 (2006.01)
C07D 249/06 (2006.01) A01N 43/56 (2006.01)

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))

(21) International Application Number:

PCT/US2019/059770

(22) International Filing Date:

05 November 2019 (05.11.2019)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/756,308 06 November 2018 (06.11.2018) US

(71) Applicant: FMC CORPORATION [US/US]; 2929 Walnut Street, Philadelphia, PA 19104 (US).

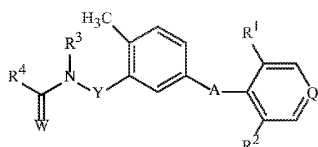
(72) Inventors: BEREZNAK, James, Francis; 3231 Sawmill Road, Newtown Square, PA 19073 (US). TAGGI, Andrew, Edmund; 33 Paddock Drive, New Hope, PA 18938 (US). BOLGUNAS, Stephen, P.; 13 Sweetgum Street, Swedesboro, NJ 08085 (US).

(74) Agent: STERNBERG, Charlene, G.; FMC Corporation, 2929 Walnut Street, Philadelphia, PA 19104 (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, JO, JP, KE, KG, KH, 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: SUBSTITUTED TOLYL AS FUNGICIDES



(1)

(57) Abstract: Disclosed are compounds of Formula (1), including all geometric and stereoisomers, tautomers, N-oxides, and salts thereof, wherein A, Q, R¹, R², R³, R⁴, W and Y are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling plant disease caused by a fungal pathogen comprising applying an effective amount of a compound or a composition of the invention.

WO 2020/097012 A1