

06/08/02
200 2046977

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 August 2001 (16.08.2001)

PCT

(10) International Publication Number
WO 01/58268 A1

(51) International Patent Classification⁷: **A01N 63/00**

(21) International Application Number: **PCT/US01/03681**

(22) International Filing Date: 12 February 2001 (12.02.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/181,686 11 February 2000 (11.02.2000) US
60/181,707 11 February 2000 (11.02.2000) US
60/181,933 11 February 2000 (11.02.2000) US

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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

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.



162162



ACTION

WO 01/58268 A1

(54) Title: **DIPHENYL ETHER INDUCTION OF SYSTEMIC RESISTANCE IN PLANTS**

(57) Abstract: The invention relates to a method for inducing systemic resistance in plants, thereby protecting plants against a broad range of plant pathogens and disease. The method of the invention comprises the application of a biologically active formulation, comprising a diphenyl ether, to a plant. In accordance with the invention, it has been observed that use of this formulation results in induced systemic resistance in a target plant. Also in accordance with the method of the invention, the formulation has been shown to trigger long-lasting, non-specific systemic resistance in the plant to a variety of pathogens and disease. Furthermore, the method of the invention results in an increase in the levels of plant isoflavones.