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(21) International Application Number: PCT/US98/17252 (22) International Filing Date: 20 August 1998 (20.08.98) (30) Priority Data: 60/057,464 3 September 1997 (03.09.97) US (71) Applicants: CORNELL RESEARCH FOUNDATION, INC. [US/US]; Suite 105, 20 Thornwood Drive, Ithaca, NY 14850 (US). EDEN BIOSCIENCE CORPORATION [GB/GB]; 11816 North Creek Parkway N., Bothell, WA 98011-8205 (GB). (72) Inventors: BEER, Steven, V.; 211 Hudson Street, Ithaca, NY 14850 (US). BUTLER, Jerry, L.; 15100 176th Avenue N.E., Woodinville, WA 98072 (US). (74) Agents: GOLDMAN, Michael, L. et al.; Nixon, Hargrave, Devans & Doyle LLP, Clinton Square, P.O. Box 1051, Rochester, NY 14603 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: USE OF HYPERSENSITIVE RESPONSE ELICITOR FROM GRAM POSITIVE BACTERIA		
(57) Abstract <p>The present invention is directed to the use of a protein or polypeptide from Gram positive bacteria, such as <i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i>, which elicits a hypersensitive response in plants. This protein or polypeptide can be used to impart disease resistance to plants, to enhance plant growth, and/or to control insects on plants. This can be achieved by applying the hypersensitive response elicitor protein or polypeptide in a non-infectious form to plants or plant seeds under conditions effective to impart disease resistance, to enhance plant growth, and/or to control insects on plants or plants grown from the plant seeds.</p>		