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[54] PATHOGEN-RESISTANT TRANSGENIC PLANTS

[75] Inventors: **Mark A. Conkling**, Fuquay-Varina; **Charles H. Opperman**; **Christopher G. Taylor**, both of Raleigh, all of N.C.

[73] Assignee: **North Carolina State University**, Raleigh, N.C.

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Primary Examiner—Charles C. P. Rories

Attorney, Agent, or Firm—Myers, Bigel, Sibley & Sajovec, L.L.P.

[57] **ABSTRACT**

Recombinant pathogen-resistant plants comprise transformed plant cells, with the transformed plant cells containing a heterologous DNA construct comprising an expression cassette. The construct comprises a promoter, a structural gene positioned downstream from the promoter, and a termination sequence such as the nos terminator positioned downstream from the structural gene. The promoter is one which is activated by a plant pathogen which attacks the plant, such as the RB7 nematode-responsive element. The structural gene encodes a product such as Barnase which is toxic to the plant cells.

46 Claims, 2 Drawing Sheets