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- [54] **NEMATODE-RESISTANT TRANSGENIC PLANTS**
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- [52] **U.S. Cl.** ..... **800/301**; 800/295; 800/317; 800/314; 536/23.6; 536/24.1; 536/24.5; 435/320.1; 435/419; 435/468; 435/469; 435/470
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[57] **ABSTRACT**

Nematode-resistant transgenic plants are disclosed. The plants comprise plant cells containing a DNA construct comprising a transcription cassette, which construct comprises, in the 5' to 3' direction, a promoter operable in the plant cells, and a DNA comprising at least a portion of a DNA sequence encoding a nematode-inducible transmembrane pore protein in either the sense or antisense orientation. Intermediates for producing the same along with methods of making and using the same are also disclosed. In an alternate embodiment of the invention, the sense or antisense DNA is replaced with a DNA encoding an enzymatic RNA molecule directed against the mRNA transcript of a DNA sequence encoding a nematode-inducible transmembrane pore protein.