

Title (en)

PLANTS GENETICALLY ENHANCED FOR DISEASE RESISTANCE.

Title (de)

GENETISCH ERHÖHTE, GEGEN KRANKHEIT RESISTENTE PFLANZEN.

Title (fr)

PLANTES AMELIOREES GENETIQUEMENT POUR RESISTER AUX MALADIES.

Publication

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Application

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Priority

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Abstract (en)

[origin: WO8904371A1] Plant transformants having an expressible heterologous gene for an antimicrobial agent for disease resistance and/or a protein high in limiting essential amino acid content for enhanced nutritional quality. Monocots, dicots and gymnosperms are genetically enhanced for disease resistance to express a lytic peptide such as cecropin, attacin or lysozyme, or an antiviral antisense micRNA. The nutritional quality of plants cultivated for food is enhanced by a gene expressing a protein containing 25-60 weight percent of methionine, lysine, tryptophan, threonine and isoleucine. Methods for obtaining such transformants, novel expressing vectors, novel proteins high in essential amino acids, and novel lytic peptides are also disclosed.

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