

Title (en)

METHOD FOR INCREASING PATHOGEN RESISTANCE IN TRANSGENIC PLANTS

Title (de)

VERFAHREN ZUR ERHÖHUNG DER PATHOGENRESISTENZ IN TRANSGENEN PFLANZEN

Title (fr)

PROCÉDÉ D'AUGMENTATION DE LA RÉSISTANCE AUX PATHOGENES DE PLANTES TRANSGÉNIQUES

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Abstract (en)

[origin: WO2008043826A1] The invention relates to a method for increasing the resistance to one or more penetrating pathogen(s) in a monocotyledonous or dicotyledonous plant, or a part of a plant, e.g. in an organ, tissue, a cell or a part of a plant cell, e.g. in an organelle, characterized in that a DNA sequence which codes for an armadillo repeat ARM1 protein and mediates an increased pathogen resistance, preferably an increased fungal pathogen resistance, is introduced into the plant or plant cell and expressed therein; or in that an endogenous DNA sequence which codes for an armadillo repeat ARM1 protein and mediates an increased pathogen resistance, preferably an increased fungal pathogen resistance, is increased in the plant or plant cell compared with the initial or wild-type plant or part thereof, or in that the endogenous gene sequence or preferably the 5'-untranslated region (5'UTR) is modified by comparison with the initial sequence. The invention likewise relates to plants, parts of a plant, e.g. in an organ, tissue, a cell or a part of a plant cell, e.g. in an organelle, which are obtained by the above method, and to corresponding propagation material.

IPC 8 full level

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