Title (en)

METHOD FOR PRODUCING A TRANSGENIC PLANT HAVING MODIFIED TRANSPORT OF SUBSTANCES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER TRANSGENEN PFLANZE MIT VERÄNDERTEM STOFFTRANSPORT

Title (fr)

PROCEDE DE FABRICATION D'UNE PLANTE TRANSGENIQUE PRESENTANT UN TRANSPORT DE MATIERE MODIFIE

Publication

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Application

EP 03724887 A 20030512

Priority

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Abstract (en)

[origin: WO03095654A2] The invention relates to a method for producing a transgenic plant, whereby the capacity for storing undesired nitrogen compounds, especially amino acids, in the storage organs is reduced in comparison with the wild type. Said method consists of the following steps; introduction of at least one DNA-sequence and/or at least one RNA-sequence corresponding to the DNA-sequence and/or one mixed sequence made of DNA and RNA nucleotide corresponding to the DNA-sequence with a coding region for an amino acid transporter or parts thereof into a plant cell. The DNA and/or RNA sequence and/or mixed sequence is used in a sense or antisense orientation and the expression of an endogenic amino acid transporter gene is prevented or reduced. The method then regenerates a plant from said plant cells, whereby the DNA and/or RNA sequence is a sequence from Beta vulgaris.

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IPC 8 full level

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CPC (source: EP US)

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