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TRANSFORMATION VECTORS

Title (de)
TRANSFORMATIONSVЕКТОREN

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VECTEURS DE TRANSFORMATION

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Abstract (en)
[origin: WO2005121346A1] The invention provides plant transformation vectors, methods for transforming plants and transformed plants. The vectors are designed to avoid incorporation of non-plant DNA into the plant genome. One embodiment of the invention includes use of plant sequences selected from sequences functioning as T-DNA border sequences, selectable markers, recombinase recognition sequences and origins of replication. Another embodiment includes use of additional plant sequences contiguous to border sequences. A further embodiment includes use of vectors having border sequences where the border DNA to be transferred forms part of a plant sequence.

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Citation (search report)

- [X] US 2004107455 A1 20040603 - ROMMENS CAIUS [US], et al
- [A] RAJASEKARAN KANNIAH ET AL: "Herbicide-resistant Acala and Coker cottons transformed with a native gene encoding mutant forms of acetohydroxyacid synthase", MOLECULAR BREEDING, vol. 2, no. 4, 1996, pages 307 - 319, XP009094663, ISSN: 1380-3743
- [A] RATHINASABAPATHI B ET AL: "METABOLIC ENGINEERING OF GLYCINE BETAINE SYNTHESIS: PLANT BETAINE ALDEHYDE DEHYDROGENASES LACKING TYPICAL TRANSIT PEPTIDES ARE TARGETED TO TOBACCO CHLOROPLASTS WHERE THEY CONFER BETAINE ALDEHYDE RESISTANCE", PLANTA, SPRINGER VERLAG, DE, vol. 193, 1994, pages 155 - 162, XP002034434, ISSN: 0032-0935
- See references of WO 2005121346A1

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