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(54) Title: OPTIMIZED T-DNA TRANSFER AND VECTORS THEREFOR

(57) Abstract: The present invention relates to T-DNA vectors and methods for obtaining transgenic eukaryotes using said vectors. The transgenic eukaryotes are characterized in that they contain the T-DNA but not the illegitimately transferred vector backbone sequence. This is achieved by modifying the T-DNA borders such that they are more efficiently nicked or such that they allow elimination of illegitimately transferred vector backbone sequences by means of recombination.

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# INTERNATIONAL SEARCH REPORT

Inte. onal Application No

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/82 A01H1/00 C12N15/80 C12N15/81 A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 01563 A (GODDIJN OSCAR JOHANNA MARIA ;OHL STEPHAN ANDREAS (NL); SIMONS LAMB) 14 January 1999 (1999-01-14) cited in the application page 2, line 17 -page 3, line 11 page 8, line 4 -page 9, line 10; examples 1-9	1,3,4, 20,21, 23-28
X	DE BUCK S ET AL.,: "The DNA sequences of T-DNA junctions suggest that complex T-DNA loci are formed by a recombination process resembling T-DNA integration." PLANT JOURNAL, vol. 20, November 1999 (1999-11), page 295-304 XP000907032 cited in the application the whole document	1-17, 24-28



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search

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# INTERNATIONAL SEARCH REPORT

Inte. onal Application No

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X	WO 99 25855 A (BASZCZYNSKI CHRISTOPHER L ;GORDON KAMM WILLIAM J (US); LYZNIK ALEX) 27 May 1999 (1999-05-27) page 4, line 1-25 page 10, line 5 -page 12, line 6; example 1	1,9,18, 19
A	--- HANSON B ET AL.,: "A simple method to enrich an Agrobacterium-transformed population for plants containing only T-DNA sequences." PLANT JOURNAL, vol. 19, September 1999 (1999-09), page 727-734 XP000907033 cited in the application the whole document	1,9,18, 19
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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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