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(54) Title: TRANSGENIC PLANTS SYNTHESISING HIGH AMYLOSE STARCH

(57) Abstract: Transgenic plant cells and plants are described which synthesise a starch which is modified in comparison with corresponding wild type plant cells and plants. The plant cells and plants described show a reduced activity of R1, BEI and BEII proteins. Furthermore, modified starches as well as methods for their production are described.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/82 C07K14/415 A01H5/00

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)
IPC 7 C12N C07K A01H

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, SEQUENCE SEARCH, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LORBERTH ET AL: "Inhibiton of a starch-granule-bound protein leads to modified starch and repression of cold sweetening" NATURE BIOTECHNOLOGY, NATURE PUBLISHING, US, vol. 16, May 1998 (1998-05), pages 473-477, XP002111459 ISSN: 1087-0156 cited in the application page 476, right-hand column	18-22
Y	the whole document	1-17, 23-29
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA	Authorized officer
~~European Patent Office, P.B. 5818 Patentlaan 2~~ NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bucka, A

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	SCHWALL GERHARD P ET AL: "Production of very-high-amylose potato starch by inhibition of SBE A and B." NATURE BIOTECHNOLOGY, vol. 18, no. 5, May 2000 (2000-05), pages 551-554, XP002239695 ISSN: 1087-0156 cited in the application page 554, left-hand column	18-22
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Information on patent family members

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