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(54) Title: METHODS FOR REGULATING BETA-OXIDATION IN PLANTS

(57) Abstract: The invention relates to the genetic manipulation of plants to increase oil accumulation in plant tissues, particularly seeds. Methods for decreasing β -oxidation in plants and optimizing oil accumulation in a seeds are provided. The methods find use in increasing the accumulation of oil in particular oil constituents in plant seeds. Isolated nucleotide molecules, osilated proteins, expression cassettes and transformed plants, plant tissues and plant cells are additionally provided.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/21458

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C12N15/55 C12N15/82 C12N9/16 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 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, EMBL, BIOSIS, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	--- DATABASE EMBL [Online] 2 March 2000 (2000-03-02) "sh89b08.y1 Gm-c1016 Glycine max cDNA clone GENOME SYSTEMS CLONE ID:Gm-c1016-7312 5' similar to TR:065261 065261 F6N23.3 PROTEIN. ;, mRNA sequence." Database accession no. AW459595 XP002201777 the whole document ---	1,4
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance

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Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

In Application No
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