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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NON-REVERTIBLE β -OXIDATION BLOCKED *CANDIDA TROPICALIS*

(57) Abstract: Genetically modified strains of *C. tropicalis*, which will not revert to wild-type activity at the *POX 4* and/or *POX 5* locus, are disclosed. The strains are β -oxidation blocked and have been transformed through homologous recombination with a construct which deletes a portion of the *POX 4* and/or *POX 5* gene. The modified strains may be used to increase yields of dicarboxylic acids produced in host cells of the strains. Methods for blocking the β -oxidation pathway in a *C. tropicalis* host cell are also provided.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/16453

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12P 1/00; C12N 1/16

US CL : 435/41,243, 254.22, 440, 471

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)

U.S. : 435/41,243, 254.22, 440, 471

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,254,466 (PICATAGGIO et al) 19 October 1993 (19.10.1993); see entire document, especially the Abstract, Figures 1-2, and the Detailed Description of the Invention (columns 4-7).	1-43
X	US 6,288,275 (TURNER) 11 September 2001 (11.09.2001); see entire document, especially column 4, line 39 through column 5, line27).	1-43

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

PCT/US03/16453

Continuation of B. FIELDS SEARCHED Item 3:

MEDLINE, WEST, PALM

Search Terms: Candida, tropicalis, POX4, POX4A, POX4B, POX5, Acyl-CoA oxidase, dicarboxylic acid (production, synthesis, etc.),
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