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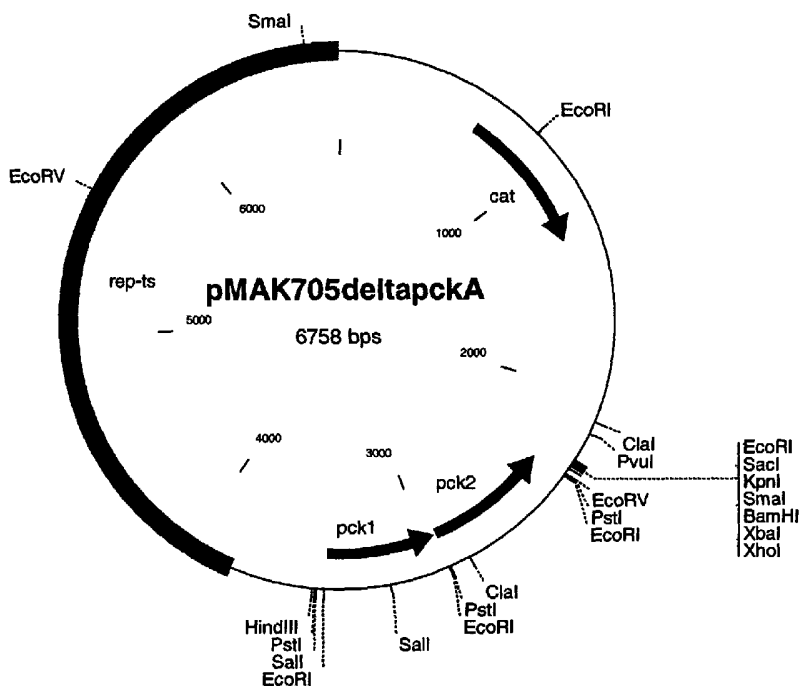
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(54) Title: PROCESS FOR THE PREPARATION OF D-PANTOTHENIC ACID AND/OR SALTS THEREOF



(57) Abstract: The invention provides a process for the preparation of D-pantothenic acid and/or salts thereof or feedstuffs additives comprising these by fermentation of microorganisms of the Enterobacteriaceae family, in particular those which already produce D-pantothenic acid, characterized in that the nucleotide sequence(s) in the microorganisms which code(s) for the pckA gene is (are) attenuated, in particular eliminated.



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A. CLASSIFICATION OF SUBJECT MATTER

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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.
A	US 5 932 457 A (MORIYA YUMIKO ET AL) 3 August 1999 (1999-08-03) the whole document ---	1-13
A	EP 0 493 060 A (TAKEDA CHEMICAL INDUSTRIES LTD) 1 July 1992 (1992-07-01) cited in the application the whole document --- -/--	1-13



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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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.
A	MEDINA V ET AL: "SEQUENCE OF THE PCKA GENE OF ESCHERICHIA COLI K-12: RELEVANCE TO GENETIC AND ALLOSTERIC REGULATION AND HOMOLGY OF E. COLIPHOSPHOENOLPYRUVATE CARBOXYKINASE WITH THE ENZYMES FROM TRYPANOSOMA BRUCEI AND SACCHAROMYCES CEREVISIAE" JOURNAL OF BACTERIOLOGY, WASHINGTON, DC, US, vol. 12, no. 172, 1990, pages 7151-7156, XP001063014 ISSN: 0021-9193 cited in the application the whole document	1-13
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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