

Title (en)
CAROTENOID BIOSYNTHESIS

Title (de)
CAROTINOID-BIOSYNTHESE

Title (fr)
BIOSYNTHESE DE CAROTENOIDES

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Application
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• US 28898401 P 20010504

Abstract (en)
[origin: WO02079395A2] Membranous bacteria that produce astaxanthin and other carotenoids are described, as well as isolated nucleic acids and expression vectors that can be used for producing carotenoids in microorganisms.

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C07H 21/04; **C12N 15/00**; **C12N 15/63**; **C12N 1/20**; **C12P 23/00**

IPC 8 full level
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Citation (search report)
• [X] DATABASE WPI Section Ch Week 199624, Derwent World Patents Index; Class B04, AN 1996-233337, XP002331044
• [X] HUNTER C N ET AL: "INTRODUCTION OF NEW CAROTENOIDS INTO THE BACTERIAL PHOTOSYNTHETIC APPARATUS BY COMBINING THE CAROTENOID BIOSYNTHETIC PATHWAYS OF ERWINIA HERBICOLA AND RHODOBACTER SPHAEROIDES", JOURNAL OF BACTERIOLOGY, WASHINGTON, DC, US, vol. 176, no. 12, June 1994 (1994-06-01), pages 3692 - 3697, XP001203861, ISSN: 0021-9193
• [A] DATABASE EMBL 1 November 1996 (1996-11-01), LIU, ST: "Phytoene dehydrogenase", XP002331041, retrieved from SRS Database accession no. Q47845
• [A] DATABASE EMBL 23 February 1999 (1999-02-23), KIRIN BREWERY: "Erwinia uredovora crtY protein sequence", XP002331042, retrieved from EBI Database accession no. AAW99100
• [A] DATABASE EMBL 1 May 1993 (1993-05-01), MISAWA N, ET AL.: "Beta carotene hydroxylase", XP002331043, retrieved from SRS Database accession no. P21688
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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NO 20033353 L 20030925

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