

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
27 February 2003 (27.02.2003)

PCT

(10) International Publication Number  
**WO 2003/016536 A3**

- (51) International Patent Classification<sup>7</sup>: C12N 15/74, 1/21, C07K 14/195, C12N 9/00
- (21) International Application Number: PCT/DK2002/000535
- (22) International Filing Date: 13 August 2002 (13.08.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/311,871 13 August 2001 (13.08.2001) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report
- (88) Date of publication of the international search report: 4 March 2004
- 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: PLASMIDS FROM ANAEROCELLUM THERMOPHILUM AND USES THEREOF

(57) Abstract: The present invention concerns the isolation of plasmids from extremely thermophilic anaerobic microorganisms and their use in genetic transformation of thermophilic and mesophilic microorganisms. More particular the invention concerns the use of thermostable plasmid vectors as tools for creating shuttle vectors for genetic transformation of extremely thermophilic anaerobic microorganisms.



WO 2003/016536 A3

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK 02/00535

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C12N15/74 C12N1/21 C07K14/195 C12N9/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N		
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, SEQUENCE SEARCH, BIOSIS, CHEM ABS Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
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A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 056 (C-0804), 8 February 1991 (1991-02-08) & JP 02 286077 A (TOYAMA CHEM CO LTD), 26 November 1990 (1990-11-26) abstract ---	1-31
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A	WO 98 14588 A (ANKENBAUER WALTRAUD ;SVETLICHNY VITALY (DE); MARKAU URSULA (DE); R) 9 April 1998 (1998-04-09) abstract -----	28-30
<input type="checkbox"/> Further documents are listed in the continuation of box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</span>		
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Date of the actual completion of the international search	Date of mailing of the international search report	
19 March 2003	27/03/2003	
Name and mailing address of the ISA 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	Authorized officer  Mata Vicente, T.	

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International Application No  
PCT/DK 02/00535

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