

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
18 July 2002 (18.07.2002)

PCT

(10) International Publication Number
WO 02/055709 A3(51) International Patent Classification⁷: **C12N 15/31**,
C07K 14/36, C12Q 1/68, C12N 15/74Wilmington, DE 19803 (US). **KOSTICHKA, Kristy, N.**
[US/US]; 111 Shrewsbury Drive, Wilmington, DE 19810
(US). **TOMB, Jean-Francois** [US/US]; 627 Haverhill
Road, Wilmington, DE 19803 (US).

(21) International Application Number: PCT/US01/47868

(22) International Filing Date:
12 December 2001 (12.12.2001)(74) Agent: **FELTHAM, S., Neil**; E.I. Dupont de Nemours and
Company, Legal Patent Records Center, 4417 Lancaster
Pike, Wilmington, DE 19805 (US).

(25) Filing Language: English

(26) Publication Language: English

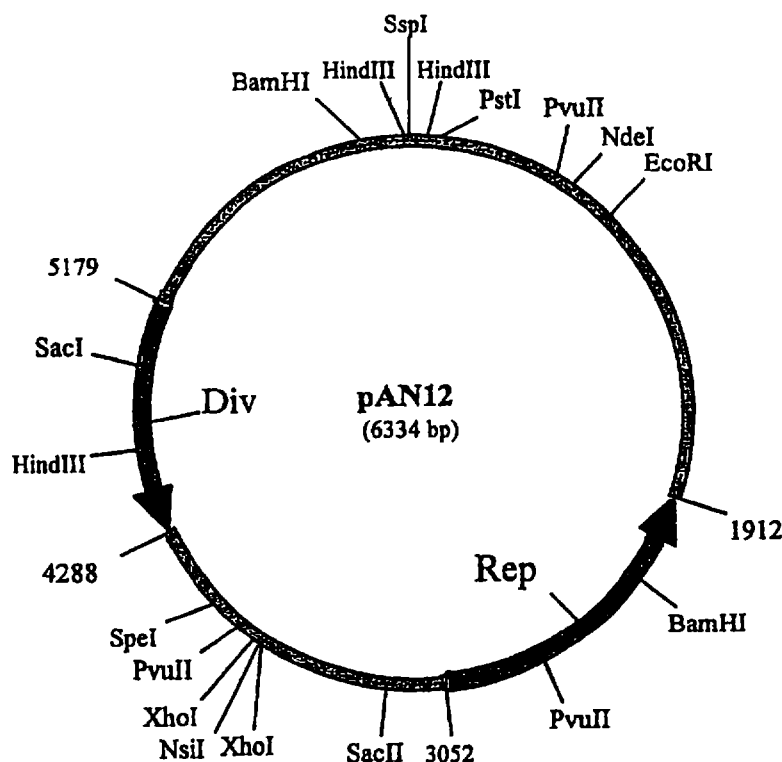
(30) Priority Data:
60/254,868 12 December 2000 (12.12.2000) US(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW.(71) Applicant (*for all designated States except US*): **E.I. DU
PONT DE NEMOURS AND COMPANY** [US/US]; 1007
MARKET STREET, WILMINGTON, DE 19898 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BRAMUCCI,**
Michael, G. [US/US]; 532 Melmont Avenue, Folsom, PA
19033 (US). **CHENG, Qiong** [CN/US]; 4 Collins Drive,(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, CH, CY, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent

[Continued on next page]

(54) Title: RHODOCOCCUS CLONING AND EXPRESSION VECTORS

(57) Abstract: A plasmid has been
isolated from *Rhodococcus erythropolis*
strain AN12 comprising a unique
replication protein. The replication
protein may be used in a variety of
cloning and expression vectors and
particularly in shuttle vectors for the
expression of heterologous genes in
Rhodococcus sp.

WO 02/055709 A3

162162



A2

(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:

17 April 2003

Published:

— with international search report

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.