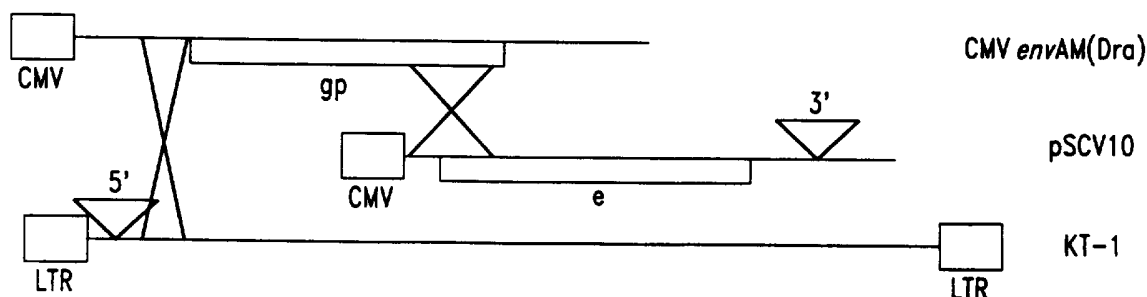




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number: PCT/US95/11474 (22) International Filing Date: 5 September 1995 (05.09.95) (30) Priority Data: 08/305,699 7 September 1994 (07.09.94) US (71) Applicant: CHIRON VIAGENE, INC. [US/US]; 4560 Horton Street, Emeryville, CA 94608 (US). (72) Inventors: KLUMP, Wolfgang, M.; 703 Stratford Court #3, Del Mar, CA 92014 (US). JOLLY, Douglas, J.; 277 Hillcrest Drive, Leucadia, CA 92024 (US). (74) Agent: KRUSE, Norman, J.; Chiron Viagene, Inc., Intellectual Property - R440, P.O. Box 8097, Emeryville, CA 94662-8097 (US).	(81) Designated States: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MW, MX, NO, NZ, PL, RO, RU, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> (88) Date of publication of the international search report: 28 March 1996 (28.03.96)	

(54) Title: METHODS AND COMPOSITIONS FOR INHIBITING PRODUCTION OF REPLICATION COMPETENT VIRUS



(57) Abstract

The present invention provides methods and compositions for inhibiting the production of replication competent virus. The invention comprises nucleic acid cassettes encoding a non-biologically active inhibitory molecule which are incorporated into packaging cells and recombinant vector constructs. Upon recombination between various vector construct contained within the producer cell, a biologically active molecule is produced which kills the cell, thereby inhibiting production of replication competent virus.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 95/11474

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 C12N15/86 C12N5/10 C12N7/01

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)

IPC 6 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO,A,92 05266 (VIAGENE INC) 2 April 1992 cited in the application see the whole document ---	1-40
A	WO,A,91 02805 (VIAGENE INC) 7 March 1991 cited in the application see the whole document ---	1-40
A	WO,A,89 07150 (UNIV COLUMBIA) 10 August 1989 see the whole document ---	1-40
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Date of the actual completion of the international search

25 January 1996

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 95/11474

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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International Application No

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