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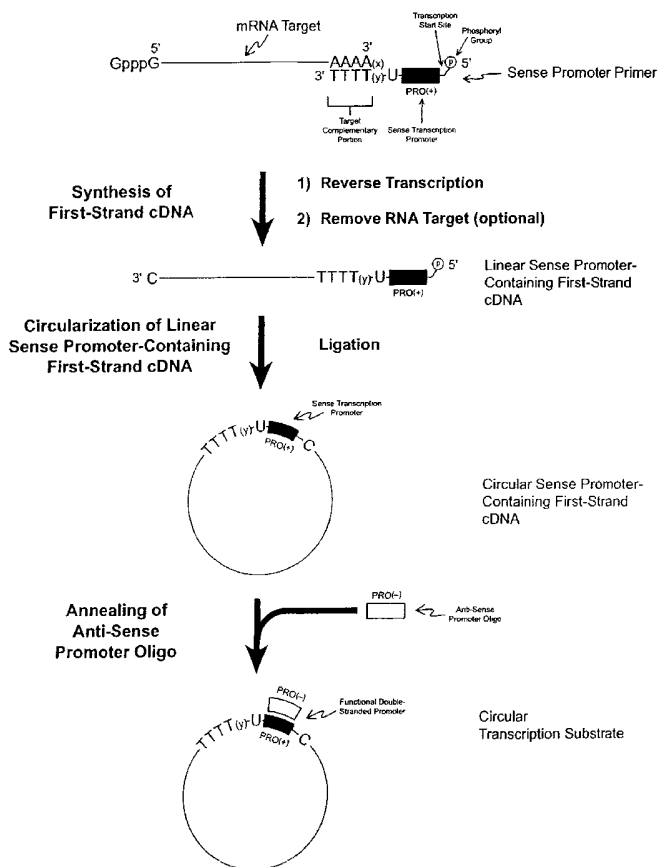
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[Continued on next page]

(54) Title: METHODS FOR USING PRIMERS THAT ENCODE ONE STRAND OF A DOUBLE-STRANDED PROMOTER



(57) Abstract: The present invention provides methods, compositions and kits for using an RNA polymerase for making transcription products corresponding to a target sequence by obtaining circular single-stranded DNA transcription substrates using a promoter primer that encodes one strand of a double-stranded promoter. The invention has broad applicability for research, diagnostic and therapeutic applications, such as preparing cDNA corresponding to mRNA, making sense or anti-sense probes, detecting gene- or organism-specific sequences, or making RNAi.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*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.*

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/37454

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
IPC(7) : C12 Q 1/68; C12P 19/34; C07H 21/04		
US CL : 435/6, 91.1, 91.2, 536/24.3, 24.55		
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) U.S. : 435/6, 91.1, 91.2, 536/24.3, 24.55		
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 practicable, search terms used) Please See Continuation Sheet		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,329,150 B1 (LIZARDI et al.) 11 December 2001 (11.12.2001), see Figures 3, 4, and 11A.	1-4
X	US 6,153,425 (KOZWICH et al.) 28 November 2000 (28.11.2000), see entire document.	3 and 4
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&c" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Young J. Kim Telephone No. (571) 272-0507

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**Continuation of B. FIELDS SEARCHED Item 3:**

Patent Database (USPT, USPGP, EPO, JPO, DERWENT, IBM-TDB)

search terms: promoter sequence, rolling circle amplification, RCA, circular template, transcription, cDNA, probe.