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(54) Title: TEMPLATE-DRIVEN PROCESSES FOR SYNTHESIZING POLYMERS AND COMPONENTS RELATED TO SUCH PROCESSES

(57) Abstract: Template-directed processes for synthesizing polymers are presented in which a sequence-specific polymer is generated from a corresponding sequence-specific template. The generated polymer has a chain length that corresponds to the chain length of the template.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/09230

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68, C12P 19/34; C07H 21/02, 21/04
US CL : 435/6,91.1,91.2; 536/22.1,23.1,24.3,24.31,24.32,24.33

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)

U.S. : 435/6,91.1,91.2; 536/22.1,23.1,24.3,24.31,24.32,24.33

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 96/07669 A1 (ROSE-HIATT BIOTECHNOLOGY PARTNERSHIP) 14 March 1996	2-5,9-12
---	(14.06.78), see entire document esp. abstract	-----
A		1,6



Further documents are listed in the continuation of Box C.



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
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" 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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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST all dbs, STN-BIOSIS, MEDLINE, CANCERLIT, BIOTECHDS, LIFESCI, EMBASE
search terms; polymerization, synthesis, amine, acetylaldehyde, support