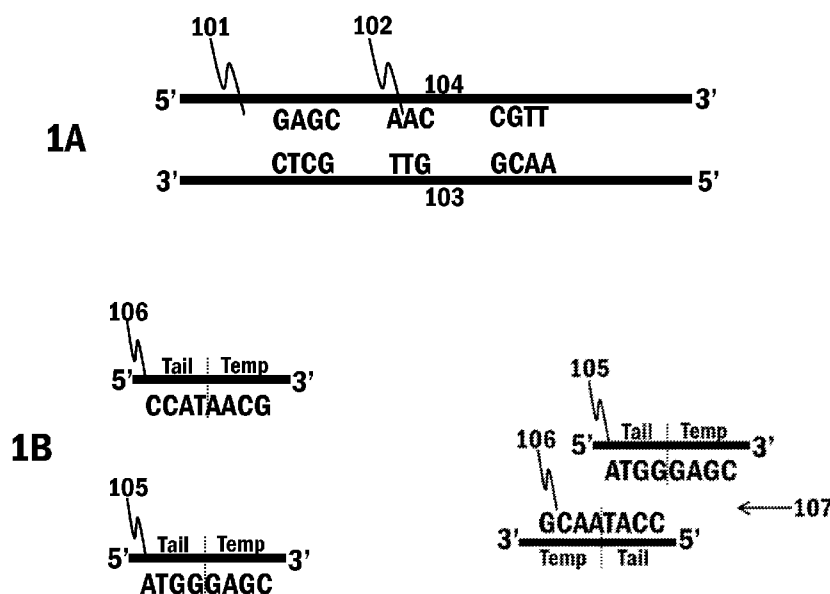




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- (74) Agent: **MOYER, Stephen**; 1601 S. California Avenue, Palo Alto, CA 94304 (US).
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[Continued on next page]

(54) Title: NUCLEI ACID AMPLIFICATION

**Fig. 1**

(57) Abstract: Methods and compositions for the amplification of nucleic acids and generation of concatemers are disclosed. Amplification methods provided herein may be performed under isothermal conditions. Methods and compositions may include reagents such as nucleic acid polymerases and primers.



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International application No.

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A. CLASSIFICATION OF SUBJECT MATTER		
<i>C12Q 1/68 (2006.01)</i> <i>C12N 15/11 (2006.01)</i> <i>C12M 1/00 (2006.01)</i>		
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)		
C12Q 1/68, C12N 15/11, C12M 1/00		
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)		
PubMed, USPTO, PatSearch (RUPRO internal), Esp@cenet, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009/0143235 A1 (COMPLETE GENOMICS, INC.) 04.06.2009, claims	1-66
A	WO 2006/095169 A1 (LINGVITAE AS) 14.09.2006, claims	1-66
A	WO 2008/032058 A2 (LINGVITAE AS) 20.03.2008, claims	1-66
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
* Special categories of cited documents:	"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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"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search	Date of mailing of the international search report	
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Name and mailing address of the ISA/RU: FIPS, Russia, 123995, Moscow, G-59, GSP-5, Berezhkovskaya nab., 30-1 Facsimile No. +7 (499) 243-33-37	Authorized officer M.Hudyuev Telephone No. 495 531 65 15	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 2014/030034

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing filed or furnished:
 - a. (means)
☒ on paper
☒ in electronic form
 - b. (time)
☒ in the international application as filed
☐ together with the international application in electronic form
☐ subsequently to this Authority for the purposes of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments: