



US 20050142559A1

(19) **United States**
 (12) **Patent Application Publication** (10) **Pub. No.: US 2005/0142559 A1**
Makrigiorgos (43) **Pub. Date: Jun. 30, 2005**

(54) **AMPLIFICATION OF DNA IN A HAIRPIN STRUCTURE, AND APPLICATIONS**

Related U.S. Application Data

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(60) Provisional application No. 60/440,184, filed on Jan. 15, 2003.

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Publication Classification

(51) **Int. Cl.⁷** **C12Q 1/68**; C12P 19/34
(52) **U.S. Cl.** **435/6**; 435/91.2

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(57) **ABSTRACT**

(21) Appl. No.: **10/758,401**

The present invention is directed to a hairpin nucleic acid structure and its use. In a preferred embodiment, the hairpin nucleic acid structure can be used in a method of amplification of a template nucleic acid sequence that substantially reduces polymerase-induced errors.

(22) Filed: **Jan. 15, 2004**

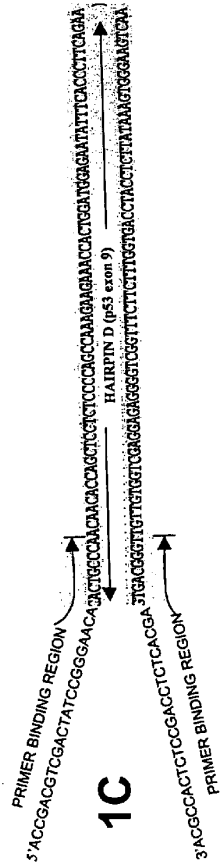
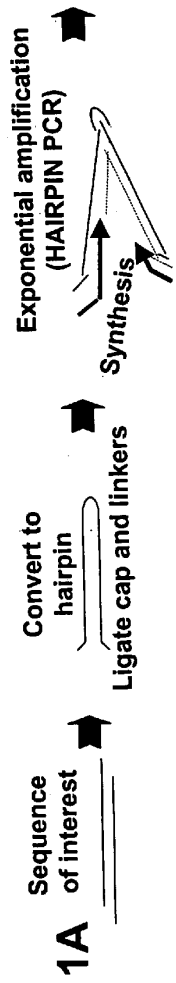
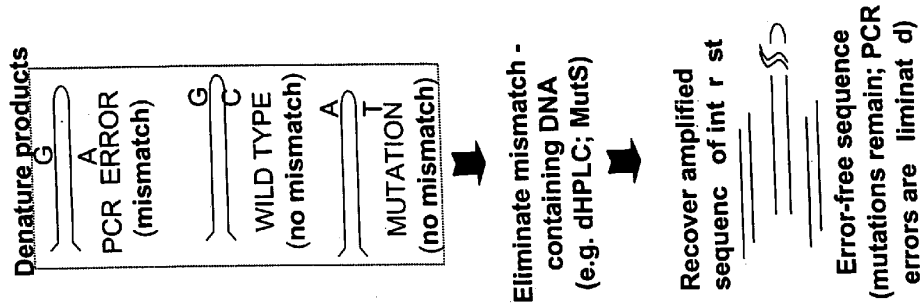


FIGURE 1

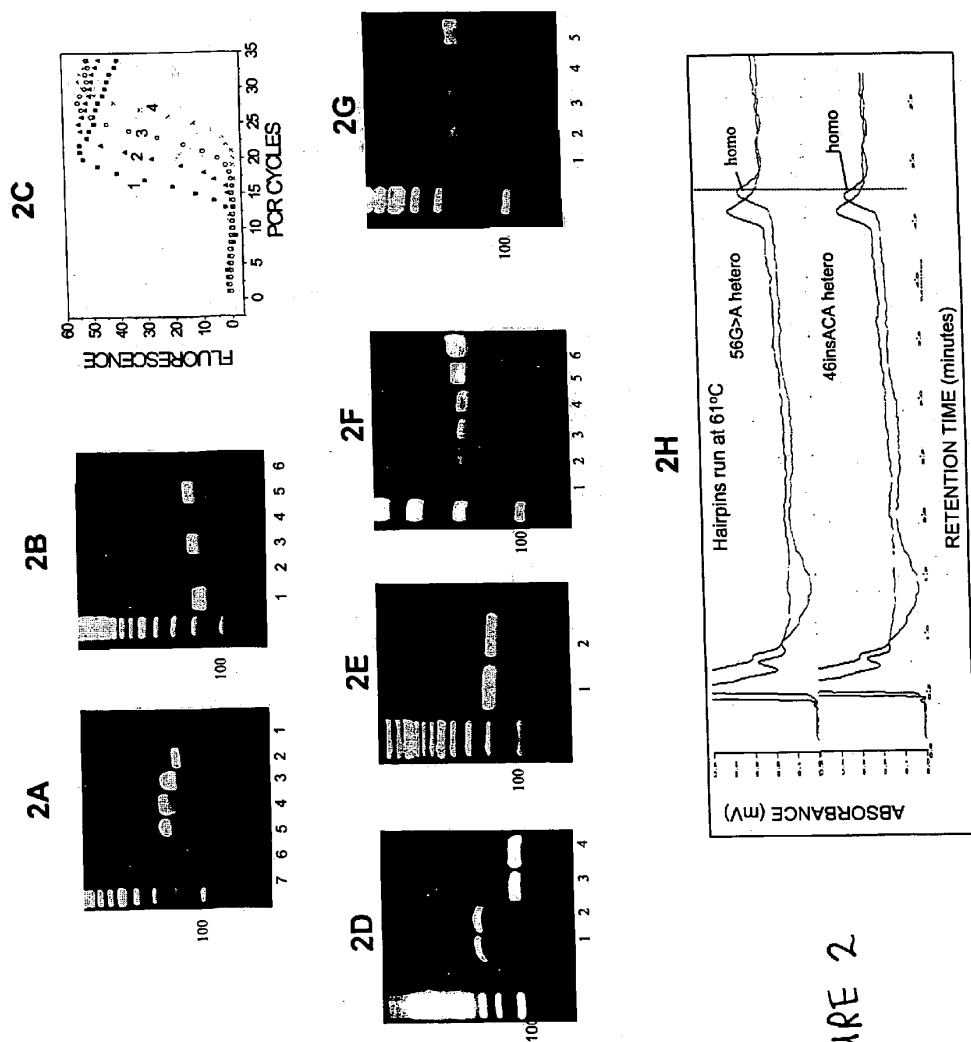


FIGURE 2

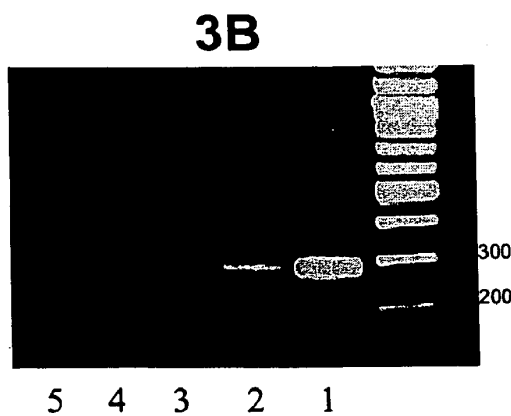
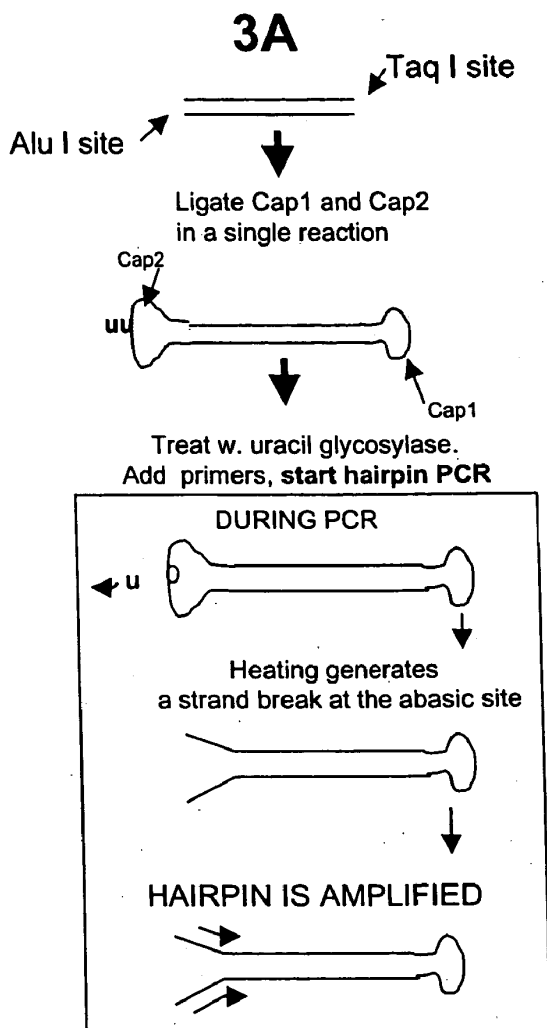
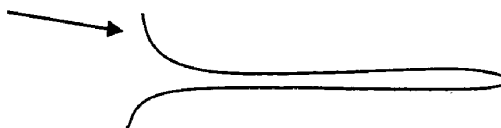


FIGURE 3

Figure 4A

primer-binding site

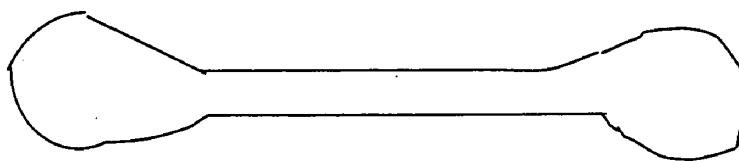


primer-binding site



Figure 4B

primer-binding site



primer-binding site

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