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

**Related U.S. Application Data**

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(57) **ABSTRACT**

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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.

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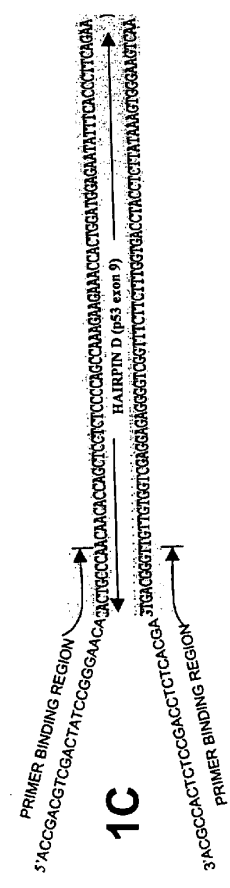
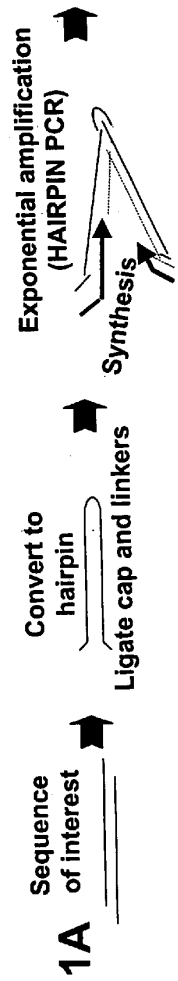
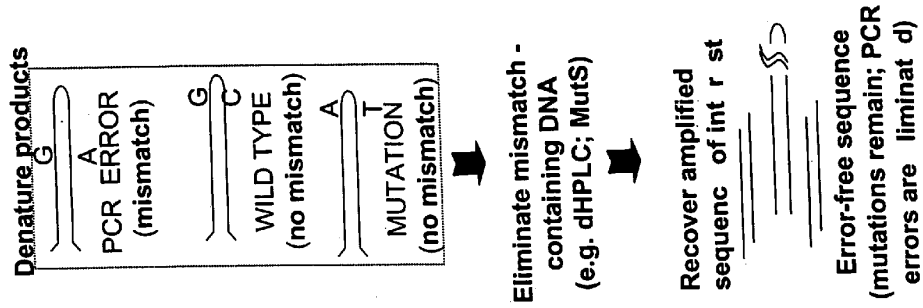


FIGURE 1

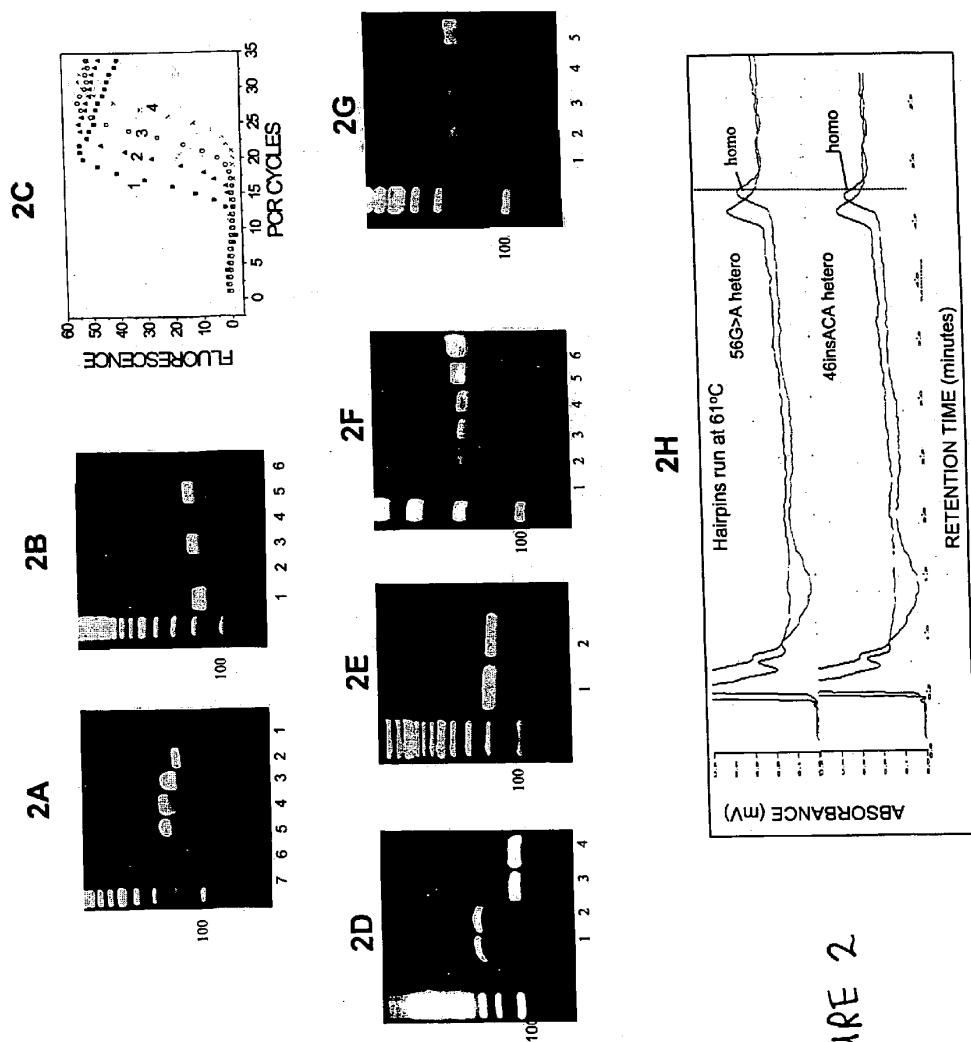


FIGURE 2

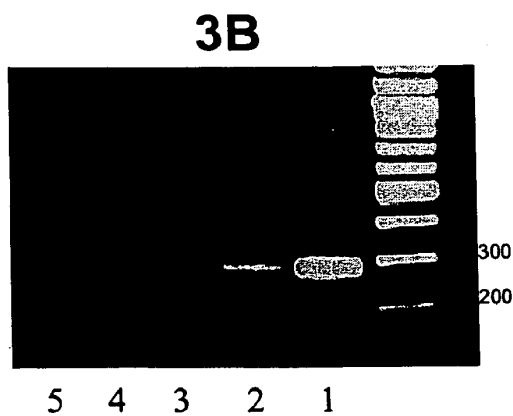
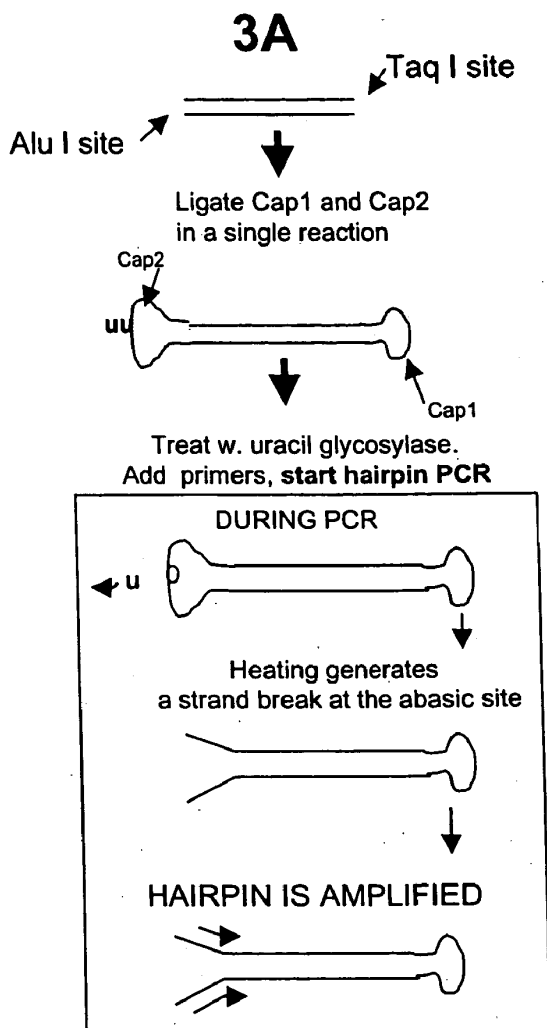
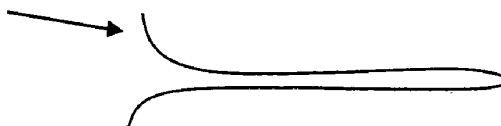


FIGURE 3

**Figure 4A**

primer-binding site

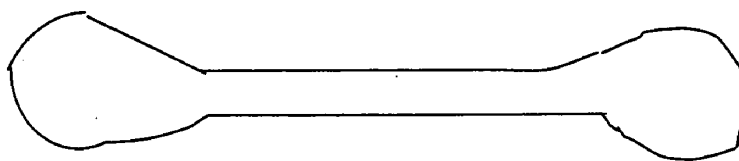


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**Figure 4B**

primer-binding site



primer-binding site

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