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(54) Title: DEVICE AND METHOD FOR DNA AMPLIFICATION AND ASSAY

(57) Abstract

A DNA amplification and homogeneous DNA probe assay device is provided which includes a multiplicity of discrete sample cells in a flat "card" format, with each sample cell containing the reagents necessary for both DNA amplification and homogeneous DNA probe assay. The device is particularly suitable for fluorescence polarization DNA probe assays, and is preferably provided with an integral polarizer to avoid the need for polarizing elements in the related measuring apparatus. The size and geometry of the sampe cells allows for a "hot start" of the DNA amplification reaction and thereby avoids mispriming of the amplification reaction.

