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(54) Title: COUNTERFEIT PROTECTION USING DNA

(57) Abstract: There is a demand for reliable, durable, and accurate methods of authentication in markets of specialty goods, e.g., luxury items and/or security-sensitive products. Currents methods of object authentication, including the incorporation of extrinsic and/or intrinsic markers, remain amenable to counterfeiting. This disclosure provides methods of object authentication and counterfeit protection using DNA sequences, including having multiple data cassettes assigned to a given bit code, and writing data using a mixture of the multiple cassettes in predetermined proportions, thereby providing validation and authenticity of the data.



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