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(71) Applicant *(for all designated States except US)*: **INGENEUS CORPORATION** [BB/BB]; Chancery House, High Street, Bridgetown (BB).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **ERIKSON, Glen, H.** [CA/BS]; P.O. Box 3001, Nassau (BS).

(74) Agent: **TENER, David, M.**; CAESAR, RIVISE, BERNSTEIN, COHEN & POKOTILOW, LTD., Seven Penn Center, 1635 Market Street, 12th Floor, Philadelphia, PA 19103 (US).

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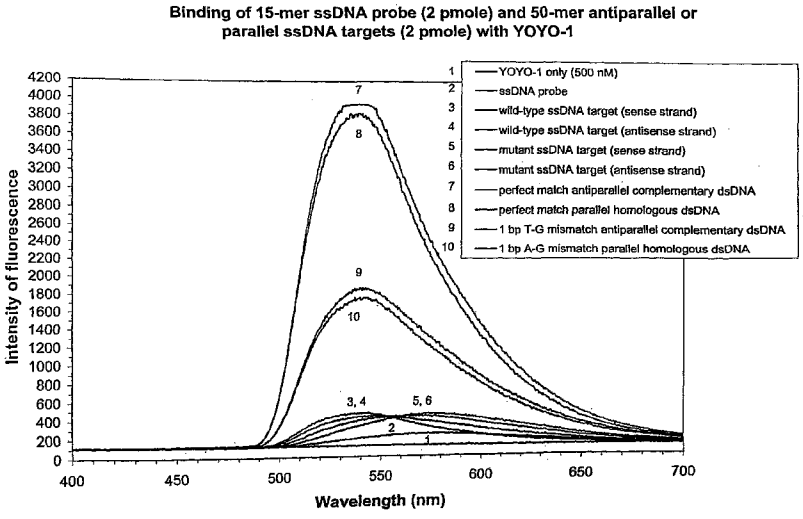
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(54) **Title:** METHOD FOR MODIFYING TRANSCRIPTION AND/OR TRANSLATION IN AN ORGANISM FOR THERAPEUTIC, PROPHYLACTIC AND/OR ANALYTIC USES



(57) **Abstract:** A method for modifying transcription and/or translation in an organism (e.g., for preventing or treating a disorder thereof), includes administering to the organism a composition containing a probe containing a heteropolymeric probe sequence of nucleic acids or nucleic acid analogues; and binding the probe to a target to modify transcription and/or translation in the organism, wherein the target is in the organism and contains a heteropolymeric target sequence of nucleic acids, and wherein the heteropolymeric probe sequence is bonded to the heteropolymeric target sequence to form a complex by Watson-Crick complementary base interaction or by homologous base interaction, provided that when the complex is a duplex and the heteropolymeric probe sequence is antiparallel to the heteropolymeric target sequence, the heteropolymeric probe sequence is bonded to the heteropolymeric target sequence by homologous base interaction, and provided that when the complex is a triplex, the complex is preferably free of RecA protein.

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