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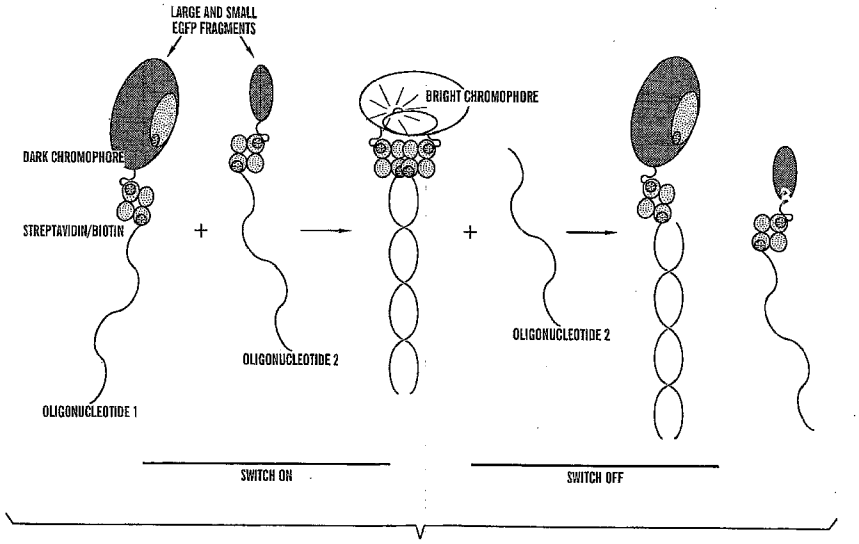
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(54) Title: ACTIVATED SPLIT-POLYPEPTIDES AND METHODS FOR THEIR PRODUCTION AND USE



(57) Abstract: The present invention relates to a method to produce activated split-polypeptide fragments that on reconstitution immediately forms an active protein. The method relate to real-time protein complementation. Also encompassed in the invention is a method to split and produce split-fluorescent proteins in an active state which produce a fluorescent signal immediately on reconstitution. The present application also provides methods to detect nucleic acids; non-nucleic acid analytes and nucleic acid hybridization in real-time using the novel activated split-polypeptide fragments of the invention.

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