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(54) Title: UNIVARIANT EXTRINSIC INITIATOR CONTROL SYSTEM FOR MICROBES AND AN IN VITRO ASSEMBLY OF LARGE RECOMBINANT DNA MOLECULES FROM MULTIPLE COMPONENTS

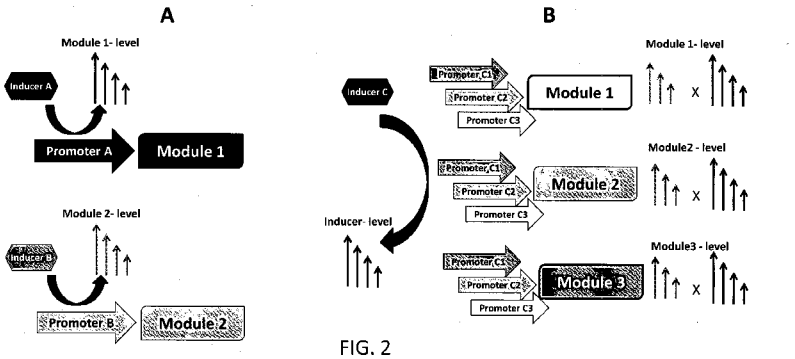


FIG. 2

(57) Abstract: The invention provides, *inter alia*, a nucleic acid (e.g. expression vector) that comprises at least a first coding sequence and a second coding sequence. Each conding sequence is under the control of an inducible promoter of defined strength. Different promoters can have different strengths. Each promoter is responsive to the same inducer. The invention also provides: methods of expressing coding regions, methods of making a product of a multi-enzyme pathway, and methods of optimizing the yield of a product of a multi-enzyme metabolic pathway using the nucleic acids provided by the invention. Also disclosed is a method of non-enzymatic gene cloning useful for practicing the invention.

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