CONTROLLING CHEMICAL REACTIONS BY SPECTRAL CHEMISTRY AND SPECTRAL CONDITIONING

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This patent is subject to a terminal disclaimer.

Appl. No.: 10/507,660
PCT Filed: Mar. 11, 2003
PCT No.: PCT/US03/08236
PCT Pub. No.: WO03/078361
PCT Pub. Date: Sep. 25, 2003

Prior Publication Data

Related U.S. Application Data
Provisional application No. 60/363,257, filed on Mar. 11, 2002, provisional application No. 60/366,755, filed on Mar. 21, 2002, provisional application No. 60/403,225, filed on Aug. 13, 2002, provisional application No. 60/403,251, filed on Aug. 13, 2002, provisional application No. 60/439,223, filed on Jan. 10, 2003.

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ABSTRACT
This invention relates to novel methods for affecting, controlling and/or directing various reactions and/or reaction pathways or systems by exposing one or more components in a holoreaction system to at least one spectral energy pattern. In a first aspect of the invention, at least one spectral energy pattern can be applied to a reaction system. In a second aspect of the invention, at least one spectral energy conditioning pattern can be applied to a conditioning reaction system. The spectral energy conditioning pattern can, for example, be applied at a separate location from the reaction vessel (e.g., in a conditioning reaction vessel) or can be applied in (or to) the reaction vessel, but prior to other reaction system participants being introduced into the reaction vessel.

7 Claims, 69 Drawing Sheets