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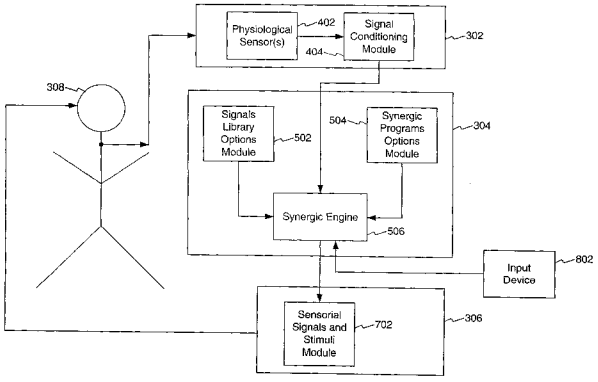
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(54) Title: APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT TO PRODUCE OR DIRECT MOVEMENTS IN SYNERGIC TIMED CORRELATION WITH PHYSIOLOGICAL ACTIVITY



(57) Abstract: An apparatus and method is presented for promoting movements of a subject in synergic timed correlation with physiological activity. The apparatus includes a synergic programs module that directs the movements in a temporally varying fashion. The synergic programs module causes generation of at lest one signal, stimulus, or force, where the movements are performed in response to the at least one signal, stimulus, or force, where each of the at least one signal, stimulus, or force is determined so as to reduce meaning and/or emotional content ot the subject, where each signal and stimulus is from a pool that comprises signals and stimuli that are sensorially understandable or recognizable by the subject, and where timing of the movements is based on at least a primary correlation factor and a secondary correlation factor. The primary correlation factor is determined so that the movements are synchronized with referential points of an intrinsically variable cyclical physiological activity. The secondary correlation factor is determined based on: (a) fluctuations based on results of a first function; and (b) fluctuations based on a quantity of cycles of the physiological activity elapsing between any two of the movements or any two groupings of the movements, where the quantity of cycles is based on results of a second function.

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