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(72) Inventor; and

(71) Applicant: RUSTICK, Joseph [US/US]; 24 W. Camel-
back Rd., #549, Phoenix, Arizona 85013 (US).

(74) Agent: SCHMEISER, Albert L. et al.; Schmeiser, Olsen
& Watts LLP, 18 E. University Dr., Ste. 101, Mesa, Arizona
85201 (US).

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(54) Title: METHOD FOR TREATMENT OF NEUROLOGICAL DISORDERS USING SYNAPTIC PATHWAY TRAINING

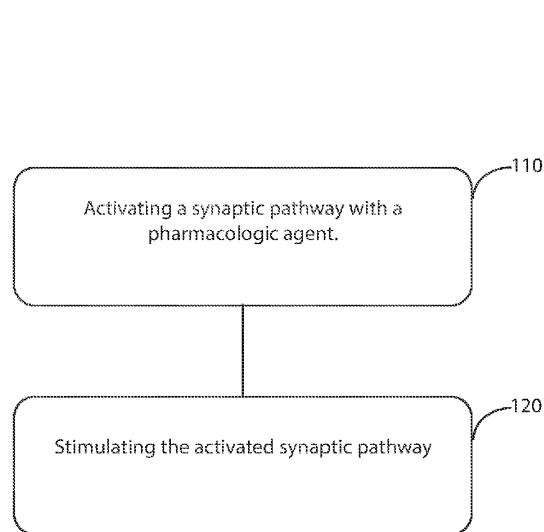


FIG. 1

(57) Abstract: Disclosed are methods of treating depression, mania, post-traumatic stress disorder (PTSD), and various other neurologic conditions using synaptic pathway training. Methods of synaptic pathway training include, generally, achieving a favorable treatment result by activating a synaptic pathway using a pharmacologic agent, such as treating refractory symptoms of depression with ketamine, following by potentiation of the favorable result by repeatedly stimulating the activated pathway. Stimulation of a synaptic pathway may be achieved by intrinsic means, such as performance of cognitive exercised, or extrinsic means, such as by delivery of a sensory stimulus to the patient, placing a potential voltage difference across the brain or a brain region, or by placing the brain or a brain region in a magnetic field.

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WO 2021/194796 A1

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