



## System And Method For Determining Timing Of Sensory Stimulation Delivered To A Subject During A Sleep Session

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### The Invention

The present disclosure pertains to a system configured to detect transitions in sleep state of a subject during a sleep session; provide sensory stimulation to the subject with a timing based on the detected transitions in sleep state; subsequent to the sleep session, obtain reference indications of transitions in sleep state; compare the detected transitions in sleep state to the reference indications of transitions in sleep state during the sleep session; based on the comparison, adjust baseline sleep state criteria to enhance correlation between detected transitions in sleep state during the sleep session using the baseline sleep state criteria and the reference indications of transitions in sleep state during the sleep session; and subsequent to adjustment of the baseline sleep state criteria, utilize the adjusted baseline sleep state criteria to detect transitions in sleep state of the subject for the purpose of controlling the one or more sensory stimulators.

### Additional Information

#### For More Information About the Inventors

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#### Tech Fields

- [Medical Devices : Neurological devices](#)

For current licensing status, please contact Jeanine Burmania at [jeanine@warf.org](mailto:jeanine@warf.org) or 608-960-9846