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JAPANESE PATENT GRANTED FOR BAR MONITORING SYSTEM

Cortical Dynamics Ltd (“**Cortical**”) an investee of BPH Energy Limited (ASX: BPH) is pleased to announce that a key patent relating to its Brain Anaesthesia Response (BAR) monitoring unit has been granted in Japan. Currently, Cortical has patents awarded in Australia, New Zealand and the United States. The issued patent entitled ‘Method of Monitoring Brain Function’ is valid to 14/01/2024.

Cortical has developed an extensive patent portfolio encapsulating the BAR monitor, providing critical patent protection across a number of key brain monitoring markets. Cortical Director David Breeze, said, ‘The grant of the Japanese Patent is a milestone for Cortical Dynamics and we are also very pleased to have the patent awarded within one of the largest EEG brain function monitoring markets in the world’. As previously announced Cortical has lodged a prospectus with the Australian Securities and Investment Commission and has applied for admission of its securities to the official list of the Australian Securities Exchange.

About the BAR Monitor

The BAR monitoring system measures a patient’s brain electrical activity, the electroencephalogram (EEG), in order to indicate how deeply anaesthetised a patient is during an operation via an adhesive sensor applied to the forehead. The BAR monitor is designed to assist anaesthetists and intensive care staff in ensuring patients do not wake up un-expectedly, as well as reducing the incidence of side effects associated with the anaesthetic.

The BAR monitor improves on currently used EEG monitors by utilising advances in understanding of how the brain’s electrical activity is produced, and how it is affected by anaesthetic and sedative drugs. The BAR’s unique physiological approach is aimed at independently monitoring the hypnotic and analgesic states associated with anaesthesia, a feature no known existing EEG based depth-of-anaesthesia monitor is able to achieve. Objectively monitoring of hypnotic and analgesic state will lead to improved anaesthetic and surgical outcomes, by reducing times and minimising drug costs.

About Cortical Dynamics

Cortical Dynamics is a medical technology company that was established in 2004 to commercialise intellectual property relating to brain function monitoring developed by Associate Professor David Liley and his scientific team at Melbourne’s Swinburne University of Technology.

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