



17 May, 2012

Second US 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 the United States of America. Currently, Cortical has patents awarded in Australia, New Zealand, China, Japan and the United States. The issued patent entitled ‘Brain function monitoring and display system’, patent number 8,175,696 and is valid to November 2028.

Cortical has developed an extensive patent portfolio encapsulating the BAR monitoring unit, providing patent protection across a number of key brain monitoring markets. Cortical’s chairman, Mr David Breeze said, ‘We are very pleased with the granting of the second US patent to Cortical. The US is the largest EEG brain function monitoring market by country, and the grant of this second US patent significantly strengthens Cortical’s IP and commercial strategy’.

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 recovery 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 Professor David Liley and his scientific team at Melbourne’s Swinburne University of Technology.

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Cortical Dynamics, has applied for admission to the Official List of the Australian Securities Exchange and the offer closing date has been extended to 5:00pm (AWST) on Monday 30th June 2012.

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