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(71) Applicant: NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: YEOW, Chen Hua; c/o National University of Singapore, Faculty of Engineering, Department of Biomedical Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG). LIU, Yuchun; c/o National University of Singapore, Yong Loo Lin School of Medicine, Department of Medicine, 21 Lower Kent Ridge Road, Singapore 119077 (SG). SURESH, Shruthi; c/o National University of Singapore, Faculty of Engineering, Department of Biomedical Engineering, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(74) Agent: VIERING, JENTSCHURA & PARTNER LLP; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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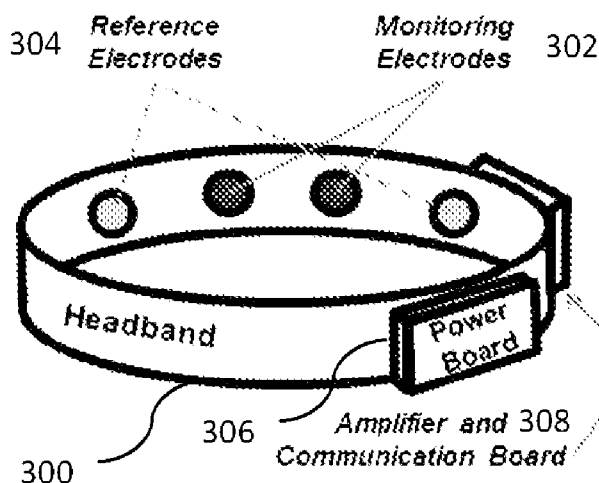


Fig. 3 A)

(57) Abstract: System, device and methods for brainwave-based technologies. The system for measuring and processing brainwave data of a user comprises one or more electrodes for measuring the brainwave data of the user, and a processing unit coupled to the electrodes and configured to process the brainwave data for determining a current mental state of the user and to generate, based on the current mental state of the user, a control signal for instructing activation of a means for manipulating the current mental state of the user.