

ABSTRACT OF THE DISCLOSURE

CONSCIOUSNESS LEVEL DETERMINATION METHOD AND COMPUTER PROGRAM

A method for determining a consciousness level of a
5 patient according to an embodiment of the present
disclosure may include: a step of extracting components of
one or more frequency bands from a first section of an EEG;
a step of calculating a first index for each of the
components of one or more frequency bands, wherein the
10 first index is calculated based on a degree to which a
magnitude of each of the components of one or more
frequency bands with respect to a magnitude of a
predetermined reference component in the first section
exceeds a predetermined threshold value; a step of
15 calculating a probability value for each of one or more
patient statuses from the first index for each of the
components of one or more frequency bands using a trained
artificial neural network; and a step of determining the
consciousness level of the patient based on the probability
20 value for each of the one or more calculated patient
statuses.

Figure 1