

**TITLE OF INVENTION: [SYSTEM FOR PREDICTING EPILEPSY BASED ON
SYNCHRONOUS ACQUISITION OF EEG AND EGE G SIGNALS]**

ABSTRACT

The present invention relates to the field of disease prediction, and in particular to relates to a system for predicting epilepsy based on synchronous acquisition of EEG and EGE G signals, comprising: a data acquisition module configured to acquire data comprising EEG data and EGE G data; a first analysis module configured to obtain an average electrode inconsistency index of a first channel and a second channel based on a first model according to time series data; and a prediction module configured to compare the average electrode inconsistency index of a subject with a preset evaluation threshold so as to predict patients with epilepsy. The system provided by the present invention can more accurately and efficiently distinguish the patients with epilepsy from healthy population, and can be applied as an auxiliary diagnosis tool to primary screening of epilepsy in relatively large population (such as communities and physical examination centers).

[FIG. 4]