

ABSTRACT

A BRAIN-COMPUTER SIGNAL SAFETY SYSTEM AND ITS METHOD OF USE

The present invention discloses a braincomputer signal safety system and its method of use, which pertains to the technical field of intelligent information processing. The braincomputer signal safety system comprises:

An information acquisition module (consistent with the "data acquisition module" elsewhere in this specification) configured to acquire braincomputer signals and safety information related to the braincomputer signals;

An analysis module configured to take the braincomputer signals and the safety information of the braincomputer signals as inputs, conduct analysis using a braincomputer signal safety model, determine whether the braincomputer signals meet the safety constraints, and obtain appropriate braincomputer signal safety measures when the safety constraints are met;

A safety module configured to perform safety processing on the braincomputer signals according to the appropriate braincomputer signal safety measures.

By performing safety processing on the braincomputer signals through the appropriate braincomputer signal safety measures derived from the preestablished braincomputer signal safety model, the safety of the BrainComputer Interface (BCI) can be improved, the usage effect of the BCI can be enhanced, and safety hazards to the subjects affected by the braincomputer signals can be avoided.

Figure 1