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(54) Title: DEVICE AND METHOD FOR GENERATING A REPRESENTATION OF A SUBJECT'S ATTENTION LEVEL

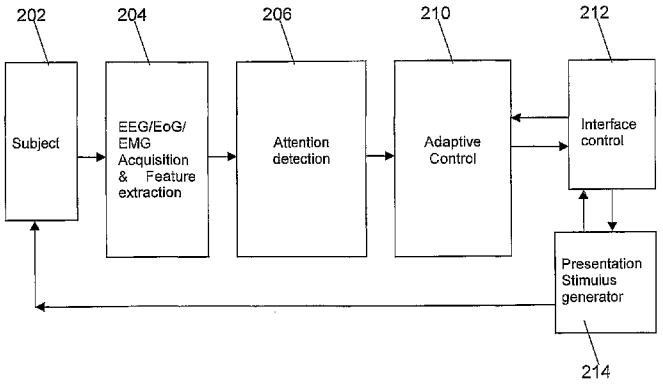


Figure 2

(57) Abstract: A device and method for generating a representation of a subject's attention level. The device comprises means for measuring brain signals from the subject; means for extracting temporal features from the brain signals; means for classifying the extracted temporal features using a classifier to give a score x_1; means for extracting spectral-spatial features from the brain signals; means for selecting spectral-spatial features containing discriminative information between concentration and non-concentration states from the set of extracted spectral-spatial features; means for classifying the selected spectral-spatial features using a classifier to give a score x_2; means for combining the scores x_1 and x_2 to give a single score; and means for presenting said score to the subject.

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