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(54) **Title**: A METHOD AND SYSTEM FOR CONCENTRATION DETECTION

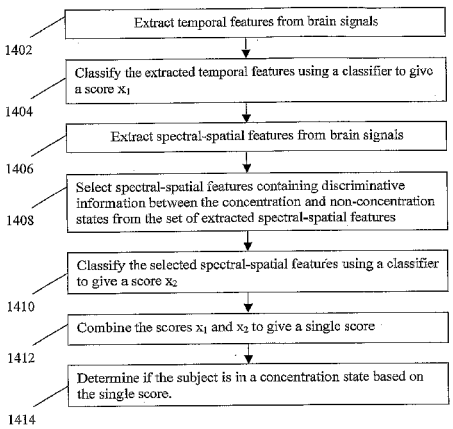



Figure 14

(57) **Abstract**: A method and system for concentration detection. The method for concentration detection comprises the steps of extracting temporal features from brain signals; classifying the extracted temporal features using a classifier to give a score $x_1$; extracting spectral-spatial features from brain signals; selecting spectral-spatial features containing discriminative information between concentration and non-concentration states from the set of extracted spectral-spatial features; classifying the selected spectral-spatial features using a classifier to give a score $x_2$; combining the scores $x_1$ and $x_2$ to give a single score and determining if the subject is in a concentration state based on the single score.

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