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(54) Title: A NEURAL ANALYSIS SYSTEM

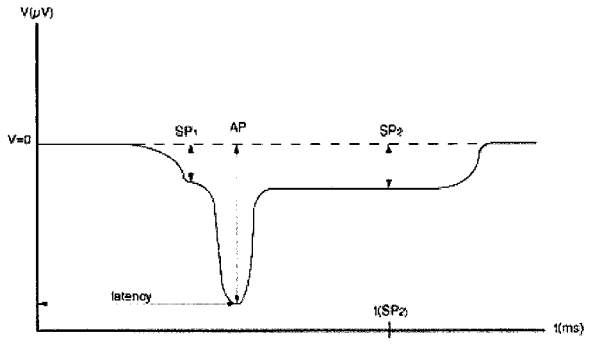


FIGURE 1

(57) Abstract: A neural analysis system, including: a neural event extractor for generating Sp/Ap curve data and field potential data for background and initial response segments obtained from a person; a correlator for correlating the Sp/Ap curve data and field potential data with pathology data for a condition, and generating biomarker data points for axes of a biomarker display; and a display module for providing display data to generate the display with the points for use in assessing the person relative to the condition.