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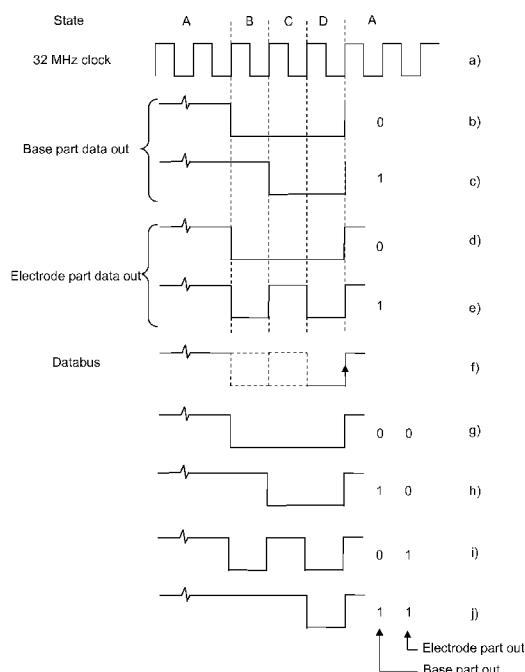


Figure 3

(57) Abstract: A personal wearable EEG monitor with a base part (1) having signal processing means (23), an electrode part (2) with at least two electrodes (11, 12) for measuring an EEG signal of a person. The electrode part (2) comprises means for converting the EEG signal into a digital signal. The EEG monitor comprises a databus for transferring data between the base part (1) and the electrode part (2) and for providing power from one part to the other. The databus is adapted for application of two electrical wires.