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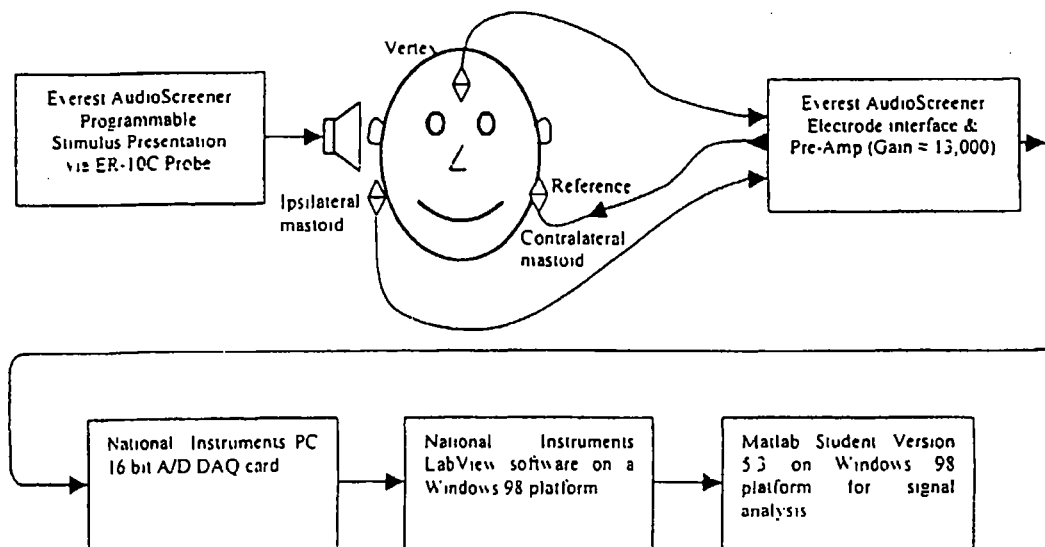
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(54) Title: FAST ESTIMATION OF WEAK BIO-SIGNALS USING NOVEL ALGORITHMS FOR GENERATING MULTIPLE ADDITIONAL DATA FRAMES



(57) Abstract: A method and apparatus for de-noising weak bio-signals having a relatively low signal to noise ratio utilizes an iterative process of de-noising a data set comprised of a new set of frames. The method separately performs a non-linear de-noising operation on each of the component frames and combines the resultant de-noised frames to form a combined resultant de-noised input signal. The method is preferably carried out in a digital processor.

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