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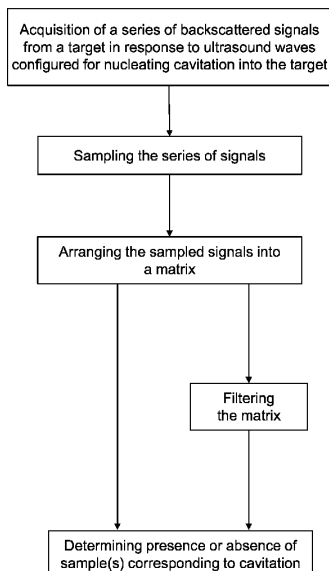
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(54) Title: COMPUTER-IMPLEMENTED METHOD FOR DETECTING CAVITATION

Fig. 2



(57) Abstract: The invention relates to a computer-implemented method for identifying cavitation produced by an ultrasound therapy device, the ultrasound therapy device comprising at least one transducer configured for emitting ultrasound waves at a target and for receiving backscattered signal from the target, the method comprising the following steps of: a) arranging in a raw matrix a series of sampled acquired measurements signals, each sampled acquired measurement signals representing a backscattered signal received from the target by the at least one transducer subsequently to the emission by the at least one transducer of an emitting signal configured to nucleate cavitation inside the target, the sampled acquired measurements signals being aligned in the matrix to match their respective samples to the same time acquisition after the beginning of the emitting signal. b) determining from the matrix the presence or absence of one or more variable samples values through the series of sampled acquired measurements signals corresponding to cavitation.

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