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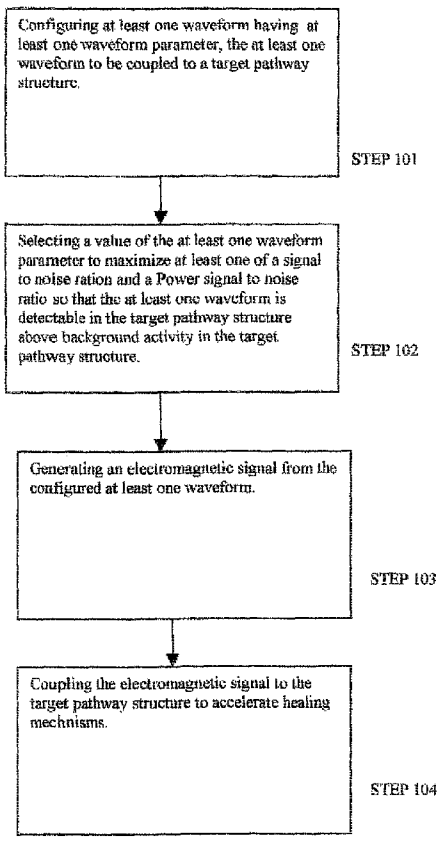
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[Continued on next page]

(54) **Title:** ELECTROMAGNETIC TREATMENT APPARATUS FOR AUGMENTING WOUND REPAIR AND METHOD FOR USING SAME



(57) **Abstract:** A method for augmenting acute and chronic wound repair comprising the steps of configuring at least one waveform having at least one waveform parameter (Step 101) , selecting a value of said at least one waveform parameter of said at least one waveform to maximize at least one of a signal to noise ratio and a Power signal to noise ratio, in a target pathway structure (Step 102), using said at least one waveform that maximizes said at least one of a signal to noise ratio and a Power signal to noise ratio in a target pathway structure (Step 103) , to generate an electromagnetic signal, and coupling said electromagnetic signal to said target pathway structure to accelerate healing mechanisms (Step 104) .

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