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(54) **VIBRATINGLY STIRRING APPARATUS, AND DEVICE AND METHOD FOR PROCESSING USING THE STIRRING APPARATUS**

(57) An insulated vibration-stirring apparatus comprising: a vibration generating means containing a vibration motor and a vibrating member attached to that motor, and a vibrating rod attached to that installation piece to allow vibration linked with the vibration generating means, and vibrating vanes installed on this vibrating rod. An electrical insulation area made from hard rubber is installed on a section nearer to the installation section than the section where the vibrating vanes are mounted on the vibrating rod. An electrical line is connected to the lower section of the vibrating rod on the electrical insulation area side where the vibrating vanes are installed. This electrical line conducts power to the vibrating vanes by way of the lower section of the vibrating rod. A power supply applies a voltage across the lower section of the vibrating rod and vibrating vanes and treatment tank by way of the electrical lines, and while applying power to the processing liquid within the treatment tank, the insulation vibration stirring apparatus vibrates and stirs the processing liquid.

FIG. 1

