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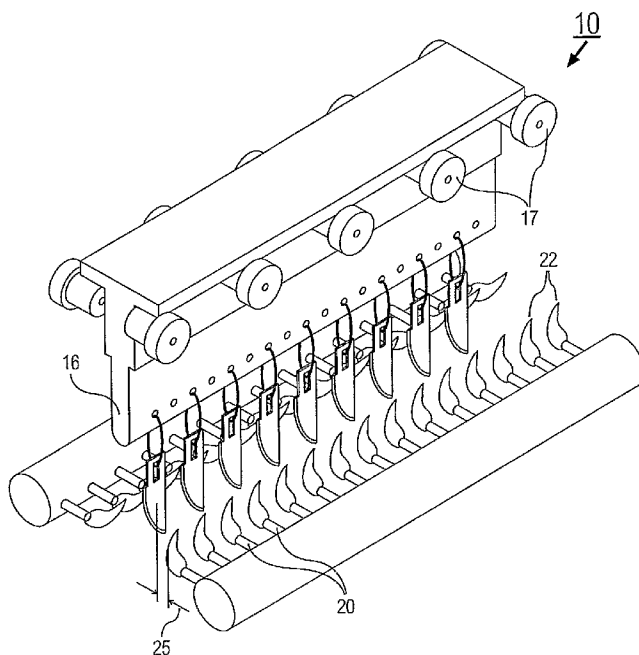
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(54) Title: METHOD AND APPARATUS FOR STERILIZING MEDICAL AND LABORATORY INSTRUMENTS AND DEVICES



(57) Abstract: A method for sterilizing medical devices, comprising the steps: producing a plurality of hydrogen surface-mixed diffusion flame; exposing the plurality of hydrogen surface-mixed diffusion flame to the medical devices for a predetermined period of time; and exposing the medical devices to the plurality of hydrogen surface-mixed diffusion flame at a predetermined distance; wherein the hydrogen surface mixed diffusion flame further produces free radicals for further sterilizing of the medical devices.