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(57) Abstract :

Accordingly, embodiments herein disclose a sterilizing box (100) for sterilizing articles such as cutlery, toys and etc., in restaurants, comprising of: a plurality of racks (110); a sterilizing gas generator for supplying sterilizing gas into the plurality of racks (110) of sterilizing box (100); an ultraviolet light (120) which is configured to irradiate the gas in the plurality of racks (110) of sterilizing box (100) with an ultraviolet ray. Furthermore, the invention may include a controller performing a sterilization process for filling the sterilizing box (100) with the sterilizing gas for a predetermined period of time and a decomposition process for decomposing the sterilizing gas by irradiating the gas in the sterilizing box (100) with the ultraviolet ray by means of the ultraviolet light (120). The controller controls the locking device to prevent the door from being opened from start of the sterilization process to end of the decomposition process.

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