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(54) Title: MICROWAVE DISINFECTION SYSTEM AND METHOD

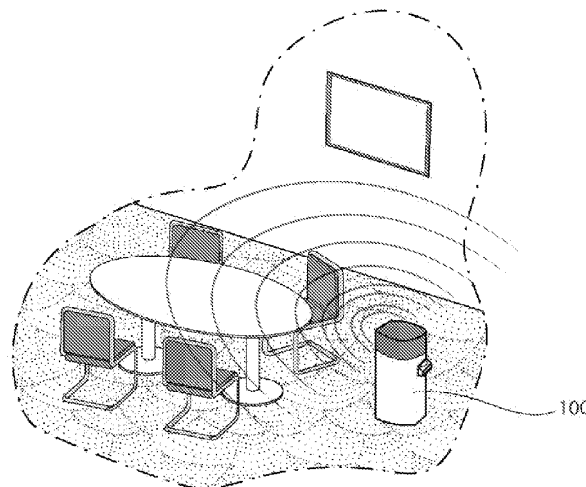


FIG. 4

(57) Abstract: The invention relates to a microwave disinfection system (1) configured to destroy or inactivate in real time one or more pathogens by means of one or more microwave irradiations. The microwave disinfection system (1) comprises a microwave disinfection device (10) including: a control section (11) including electronic control means (111) and storage means (112); and a microwave irradiation section (12) controlled by the electronic control means (111) and configured to emit microwave signals. In addition, the microwave disinfection system (1) further comprises human-machine interface means (13) connected to the control section (11) and configured to allow a user to configure the control section (11) by setting and storing in the storage means (112) one or more predefined microwave irradiation parameters related to one or more predefined microwave disinfection treatments against one or more pathogens. The electronic control means (111) are configured to operate the microwave irradiation section (12) based on the predefined microwave irradiation parameter(s) stored in the storage means (112) such that said microwave irradiation section (12) performs the predefined

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WO 2022/018772 A1

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microwave disinfection treatment (s) against said pathogen (s). The microwave irradiation section (12) is configured to, when operated by the electronic control means (111), perform one or more microwave irradiations based on said predefined microwave irradiation parameter(s).