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(54) Title: MICROWAVE DISINFECTION PROTOCOL OPTIMISED FOR THE DESTRUCTION/ INACTIVATION OF SARS-COV-2 AND HINT VIRUSES

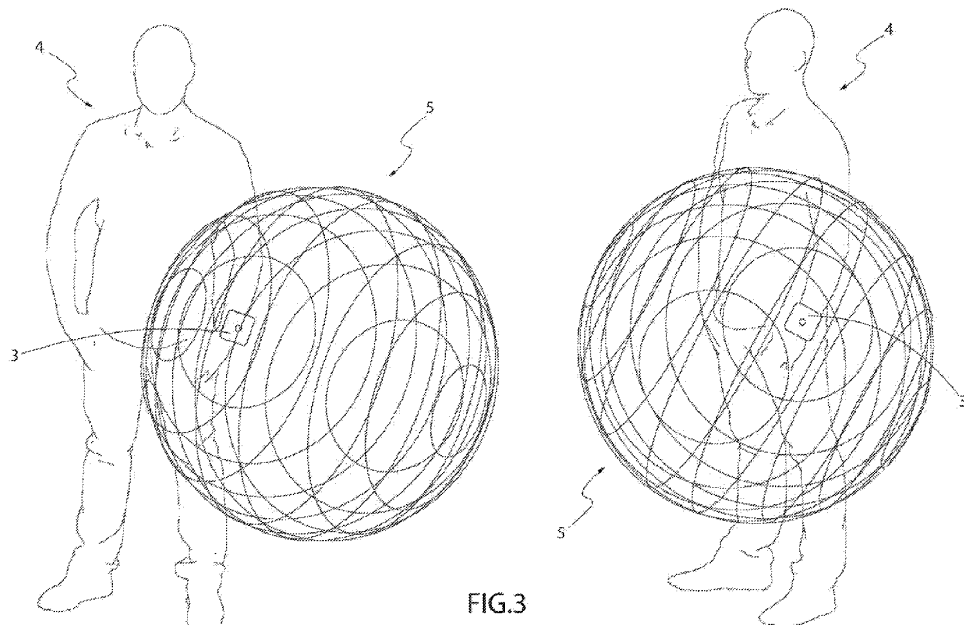


FIG.3

(57) Abstract: The invention concerns a microwave disinfection device (2) configured to destroy/ inactivate the SARS-CoV-2 and H1N1 viruses and comprising a microwave irradiation section (22) configured to : irradiate microwave signals that have an incident electric field amplitude not higher than 6 V/m and frequencies that are included in the 8-10 GHz band and are spaced from each other by a step comprised between 10 MHz and 100 MHz; irradiate the microwave signals at each individual frequency for a time interval comprised between 50 ms and 1 s; and irradiate the microwave signals with duty cycles comprised between 5% and 50%.

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WO 2023/161837 A1

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