

Title (en)
ELECTROSTATIC HAND SANITIZER

Title (de)
ELEKTROSTATISCHES DESINFEKTIONSGERÄT FÜR HÄNDE

Title (fr)
APPAREIL DE DESINFECTION ELECTROSTATIQUE POUR LES MAINS

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Application
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Abstract (en)
[origin: WO9733527A1] A hand sanitizing apparatus (10) which uses at least two electrostatic emitters (71-73, 81-83) to dispense germicidal fluid to substantially all the surfaces of a user's hands when both hands are placed in proximity to the electrostatic emitters (71-73, 81-83). The apparatus (10) comprises a frame (11) on which are mounted electrostatic emitters (71-73, 81-83) in preferably two cells (12, 13) which separate spray directed at one hand from spray directed at the other hand, a reservoir (60) of germicidal fluid (50, 51) in fluid communication with the electrostatic emitters (71-73, 81-83), a power source (20) adapted to supply electrostatic energy to the electrostatic emitters (71-73, 81-83), and a dispensing cycle actuator (21) which is operated by the user to distribute electrostatic energy from the power source (20) to the electrostatic emitters (71-73, 81-83) so that a predetermined quantity of germicidal fluid (50, 51) is directed from each electrostatic emitter (71-73, 81-83) towards each of the user's hands during the dispensing cycle. In one embodiment each hand is sprayed with an opposite charge. In another embodiment each hand is sprayed by multiple electrostatic emitters (71-83, 81-83) having opposite charges. In still another embodiment the electrostatic emitter (71-73, 81-83) directed at each hand is pulsed such that each pulse has an opposite charge. In yet another embodiment the user is grounded so that opposite charges are unnecessary.

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