

ABSTRACT

A sterilisation robotic apparatus that comprises: a main body housing (2), an extendable housing (9), at least one sterilisation source including ultraviolet radiation (3) and (10), a spray or atomising system (18) for the airborne dispersal of chemical disinfectants, and/or or an air ionisation and filtration device (20), a holding container for the storage of chemical disinfectants (17), an internal computer unit (12) for the autonomous governance of sterilisation operations, navigation and mobility, at least one sensor (13), an audio output (14), a battery (15) to function as a power source and charging connections (11) for replenishment, a motor (21) and a set of drive wheels (22) for mobility.

FIG. 3