

CLAIMS

1. An electronic hand hygiene event monitoring system comprising:

a point-of-care dispenser movable between predetermined zones of interest, actuation of the point-of-care dispenser resulting in an RF transmission event at a first power level having a transmission range generally limited to the predetermined zone of interest in which the point-of-care dispenser has been actuated; and

a plurality of RF transceivers disposed in each of the predetermined zones of interest, wherein each RF transceiver is configured to receive the RF transmission events from the point-of-care dispenser in the respective predetermined zone of interest, and to transmit a further RF signal at a second power level having a transmission range extending beyond the pre-determined zone of interest, wherein at least one of the plurality of RF transceivers is a fixed point-of-care dispenser disposed within a respective predetermined zone of interest
2. The electronic hand hygiene event monitoring system of claim 1, wherein one or more of the plurality of RF transceivers are at a fixed location within the respective predetermined zone of interest.
3. The electronic hand hygiene event monitoring system of claim 1, wherein at least one of the plurality of RF transceivers is a hub disposed within a respective predetermined zone of interest.
4. The electronic hand hygiene event monitoring system of claim 1, wherein at least one of the plurality of RF transceivers is a gateway at a fixed location within a respective predetermined zone of interest.

5. The electronic hand hygiene event monitoring system of claim 1, wherein the point-of-care dispenser is configured for mounting to a patient bed.
6. The electronic hand hygiene event monitoring system of claim 1, wherein the point-of-care dispenser is configured for docking with a docking unit.
7. The electronic hand hygiene event monitoring system of claim 6, wherein at least two of the predetermined zones of interest include a respective docking unit.
8. The electronic hand hygiene event monitoring system of claim 1, wherein the point-of-care dispenser has transmission range between about 1 meter and 3 meters.
9. The electronic hand hygiene event monitoring system of claim 1, wherein the plurality of RF transceivers each have a transmission range between about 30 meters and 60 meters.