

Claims

1. A method for categorizing a viral risk within a occupiable space, the method comprising the steps of:
measuring environmental data using a plurality of sensors within said occupiable space;
determining a virus index for the occupiable space based upon a combination of said environmental data;
providing a virus index scale, said scale including environmental categories corresponding to different viral indices;
comparing the virus index with the virus index scale, and so;
categorizing the viral risk of the occupiable space.
2. The method according to claim 1, further including the step of communicating the viral risk to stakeholders.
3. The method according to claim 2, wherein the communicating step includes displaying any one or a combination of colour, virus index, visual display or aural warning, corresponding to the viral risk.
4. The method according to claim 2 or 3, wherein the communicating step includes the step of sending a signal to a control system;
said control system then assessing operational steps required to reduce a viral risk.

5. The method according to claim 2 or 3, wherein the communicating step includes the step of sending a signal to a control system;
said control system then assessing operational steps required to maintain a safe viral risk condition.
6. The method according to claim 4 or 5, further including the step of the control system operating equipment to reduce the severe viral risk.
7. The method according to any one of claims 1 to 6, wherein the environmental data includes levels for at least temperature and humidity.
8. The method according to claim 7, wherein the environmental data further includes levels for any one or a combination of: PM2.5, PM1, nitrogen dioxide, and CO₂.
9. A system for categorizing a viral risk within a occupiable space, the system comprising:
a plurality of sensors arranged to measure environmental data within said occupiable space;
a determination unit arranged to determine a virus index for the occupiable space based upon a combination of said environmental data;
a virus index scale, said scale including environmental categories corresponding to different viral indices;

a comparison unit arranged to compare the virus index with the virus index scale, and further arranged to categorize the viral risk of the occupiable space.

10. The system according to claim 9, further including a communication unit arranged to communicate the viral risk to stakeholders.
11. The system according to claim 10, wherein the communication unit includes a public display system arranged to display any one or a combination of colour, virus index or sound, corresponding to the viral risk.
12. The system according to claim 10 or 11, wherein the communication unit is arranged to send a signal to a control system;
said control system arranged to assess operational steps required to reduce a severe viral risk.
13. The system according to claim 12, wherein the control system is arranged to operate equipment to reduce the severe viral risk.
14. The system according to any one of claims 9 to 13, wherein the environmental data includes levels for at least temperature and humidity.
15. The method according to claim 14, wherein the environmental data further includes levels for any one or a combination of: PM2.5, PM1, nitrogen dioxide, and CO₂.