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(71) Applicant: MANN+HUMMEL LIFE SCIENCES &
ENVIRONMENT HOLDING SINGAPORE PTE.

LTD. [SG/SG]; 23 Rochester Park, #04-02, Singapore 139234 (SG).

(72) Inventors: **SCHOCH, Marcel**; Bismarckstrasse 2, 71634 Ludwigsburg (DE). **AMIRNASR, Elham**; 244 Lynchwick Ln, Durham, North Carolina 27703 (US). **SHANAHAN, Michael**; 2800 Olympic Parkway, Chula Vista, California 91915 (US).

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(54) Title: METADATA DRIVEN METHOD AND SYSTEM FOR AIRBORNE VIRAL INFECTION RISK AND AIR QUALITY ANALYSIS FROM NETWORKED AIR QUALITY SENSORS

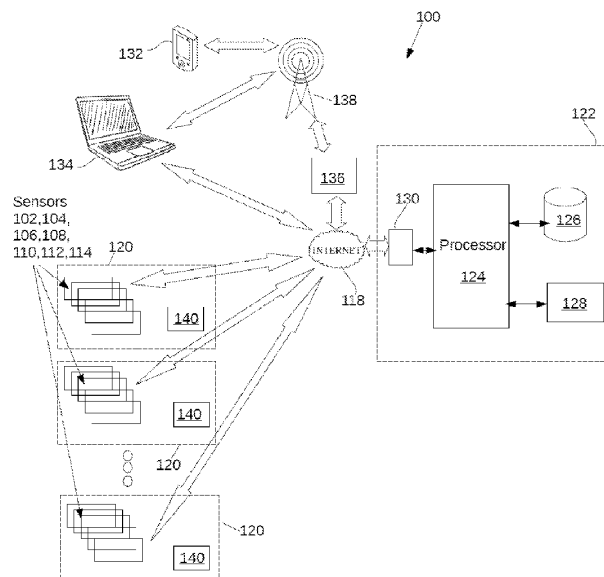


FIG. 1

(57) Abstract: A computer implemented system and process of analyzing real-time measurements of a plurality of air quality sensors to provide an calculated estimate of airborne virus infection and air quality evaluation from current air quality measurements, advise those at risk, advise responsible parties of recommended actions to take, and in some embodiments take direct action in communication of instructions to air filtration and treatment equipment and HVAC systems to improve outside air flow, increase filtration, treat contaminated air and reduce humidity and reduce the risk of airborne virus transmission. Sensor data, calculated airborne infection risk, air quality, warnings and reports are created and distributed to network connected devices.

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