

PORTABLE DIFFUSER

ABSTRACT

The complete system for a portable diffusing device, including diffusing engine, housing, delivery of active materials, active material reservoir container, power source, and user interface with the device, is described in this invention. The device incorporates a piezoelectric dispersion mechanism with a staged active material delivery mechanism, allowing for ease of removal and/or replacement of the active material reservoir container via a simple means of attachment or detachment. The invention can comprise either one complete system housed in one device, or a multiplicity of systems housed in one device. The device also incorporates an on-board power source allowing for portability of the device, as well as a direct interface mechanism and/or a wireless mechanism for user control of the device.

Note: The preferred figure for publication is FIG. 1.