ABSTRACT

A multi-interface unit invigoration system for providing invigoration and/or cooling via continuous or noncontinuous controlled modes of operation.

The system comprises (a) either concentric or non-concentric multiple interface units programmed to provide gas either to a predefined spot/volume or to multiple spots/volumes, either continuously or by at least one predefined time sequence, (b) at least one compressed gas source for providing compressed gas to at least one of the multiple interface units, and (c) a controller.

To ensure effective and well-controlled cooling, the compressed gas is maintained at a predefined temperature, in each of the multiple interface units.

Each of the multiple interface units is programmed to receive the compressed gas and to expand the compressed gas continuously or via at least one predefined time sequence to control the temperature of each of said multiple interface units. Whereby the multi-interface unit invigoration system provides invigoration and/or cooling with either continuous or noncontinuous controlled modes of operation. FIG. 7.