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intersection between selected said fiber and selected said second control signal line to propagate ultrasonic waves from the outer circumferential surface of said fiber to emanate said liquid forming the core or molecules of a substance contained in said liquid as representation of relative surface humidity information or olfactory information.

5. The information receiving/display apparatus according to claim 1 wherein said optical fibers or optical waveguides have light sources at one-side ends or opposite ends thereof.

6. The information receiving/display apparatus according to claim 5 wherein each of said light sources is a semiconductor laser.

7. The information receiving/display apparatus according to claim 1, wherein said optical fibers or optical waveguides include those for red, those for green and those for blue, said optical fibers or optical waveguides for red having red emitting light sources at one-side ends or opposite ends thereof, said optical fibers or optical waveguides for green having green emitting light sources at one-side ends or opposite ends thereof, and said optical fibers or optical waveguides for blue having blue emitting light sources at one-side ends or opposite ends thereof.

8. The information receiving/display apparatus according to claim 7 wherein said red emitting light sources, said green emitting light sources and said blue emitting light sources are semiconductor lasers.

9. The information receiving/display apparatus according to claim 1 wherein said optical fibers, or optical waveguides, and said fibers are arranged to form a concave plane as a whole.

10. An information receiving/display apparatus configured to receive one of audio information and visual information and to receive one of olfactory information, gustatory information, and tactile information, comprising:

an information display plane, wherein the information display plane displays one of the audio information and visual information and displays one of olfactory information, gustatory information, and tactile information;

a plurality of first fibers or waveguides for displaying the visual information on the information display plane;

a plurality of second fibers or waveguides for displaying one of olfactory information, gustatory information, and tactile information;

a plurality of first control signal lines extending across said first fibers or waveguides;

a plurality of second control signal lines extending across said second fibers or waveguides;

first piezoelectric elements on outer surfaces of said first fibers or waveguides at intersections between said first fibers or waveguides and said first control signal lines; and

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second piezoelectric elements on outer surfaces of said second fibers or waveguides at intersections between said second fibers or waveguides and said second control signal lines.

11. The information receiving/display apparatus according to claim 10 wherein the information display plane displays the tactile information by forming a projection on the display plane.

12. The information receiving/display apparatus according to claim 10 wherein the information display plane displays the olfactory information by releasing vapor from the display plane.

13. The information receiving/display apparatus according to claim 10 wherein the information display plane is configured to display visual information on one of said first fibers or waveguides by scattering light introduced into one of said first fibers or waveguides by means of bubbles that are generated by cavitation brought about in a liquid forming said core by propagating ultrasonic waves from an outer surface of one of said first fibers or waveguides by driving one of said first piezoelectric elements at the intersection between one of selected said first fibers or waveguides and one of said first control signal lines.

14. The information receiving/display apparatus according to claim 10 wherein the information display plane is configured to form a projection or produce a temperature change on a surface of one of said second fibers or waveguides in response to one of said olfactory information, gustatory information, and tactile information, by propagating ultrasonic waves from an outer surface of one of said second fibers or waveguides by driving one of said second piezoelectric elements at the intersection between one of said second fibers or waveguides and one of said second control signal lines.

15. The information receiving/display apparatus according to claim 10 wherein the information display plane is configured to form a projection or produce a temperature change on a surface of one of said second fibers or waveguides by means of bubbles that are generated by cavitation brought about in a liquid forming said core by propagating ultrasonic waves from an outer surface of one of said second fibers or waveguides by driving one of said second piezoelectric elements at the intersection between one of selected said second fibers or waveguides and one of said second control signal lines.

16. The information receiving/display apparatus according to claim 10 wherein a projection is formed on one of said second fibers or waveguides.

17. The information receiving/display apparatus according to claim 10 wherein vapor is released from one of said second fibers or waveguides.

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