

cal signal is completed with said terminals when said flexible strong film is touched by a finger.

14. The input-output system for a computational system as recited in claim 13, where said layer of material includes electro-rheological fluid.

15. The input-output system for a computational system as recited in claim 13, where said layer of material includes magneto-rheological fluid.

16. The computing system as recited in claim 13, wherein said layer of material is placed in channels.

17. The computing system as recited in claim 16, wherein said outer layer has a different thickness over said channels than in areas not over said channels.

18. A tactile-enhanced display system for industrial or consumer use, including: an LCD screen, operatively coupled to a processing unit; an outer layer comprised of a strong flexible thin film with translucent properties; an intermediate layer comprised of at least two sub-layers, the first sub-layer including a fluidic material capable of changing physical properties when an electric or magnetic pulse is applied to it; said second layer carrying an electrical or magnetic signal to said first layer; and a layer or set of points operatively coupled to said outer thin film layer capable of detecting a user's touch and processing said touch into electrical signals.

19. The tactile-enhanced display system as recited in claim 18, wherein said intermediate layer is only present under said thin film surface and regions in which tactile surface features are desirable.

20. The tactile-enhanced display system as recited in claim 19, wherein said surface features are in the form of rectangles.

21. The tactile-enhanced display system as recited in claim 19, wherein said desirable surface features include circles, triangles, or ellipses.

22. The tactile-enhanced display system as recited in claim 18, wherein said intermediate layer comprising said two sub-layers is present under the entire surface of said thin film layer.

23. The tactile-enhanced display system as recited in claim 18, wherein said first sub-layer including said material is contained in channels.

24. The tactile-enhanced display system as recited in claim 18, wherein said second sub-layer is contained in channels.

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