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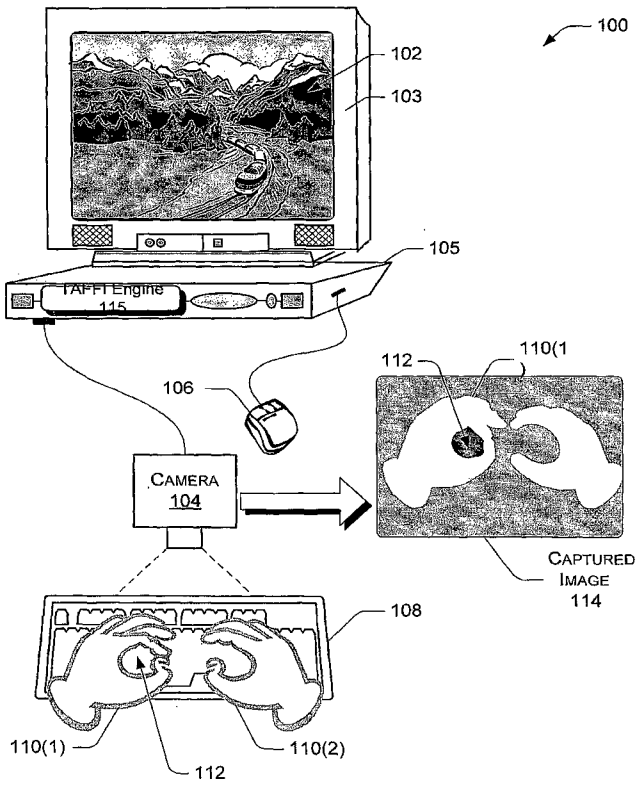
(54) Title: VIRTUAL CONTROLLER FOR VISUAL DISPLAYS



(57) Abstract: Virtual controllers for visual displays are described. In one implementation, a camera captures an image of hands against a background. The image is segmented into hand areas and background areas. Various hand and finger gestures isolate parts of the background into independent areas, which are then assigned control parameters for manipulating the visual display. Multiple control parameters can be associated with attributes of multiple independent areas formed by two hands, for advanced control including simultaneous functions of clicking, selecting, executing, horizontal movement, vertical movement, scrolling, dragging, rotational movement, zooming, maximizing, minimizing, executing file functions, and executing menu choices.

WO 2008/018943 A1