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(54) HAPTIC FEEDBACK FOR BUTTON AND SCROLLING ACTION SIMULATION IN TOUCH INPUT DEVICES

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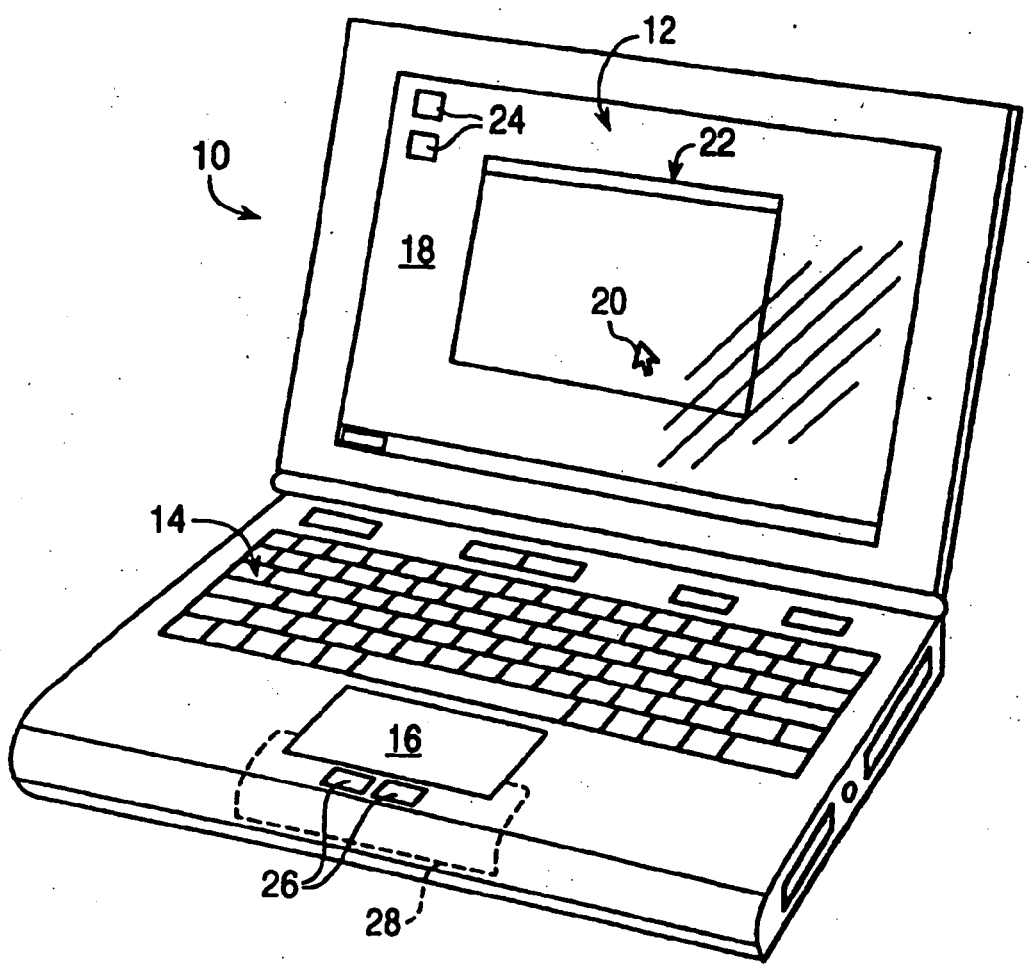
(57) **ABSTRACT**

A planar touch control is used to provide input to a computer and haptic feedback is provided thereto. A touch control includes a touch input device with a planar touch surface that inputs a position signal to a processor associated with the computer based on a location of user implemented contact on the touch surface. The computer can position or modify a cursor or image in a displayed graphical environment based at least in part on the position signal, or perform a different function. At least one actuator is also coupled to the touch input device and outputs a force to provide a haptic sensation to the user via the touch surface.