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(12) United States Patent Pryor

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(54)	MORE USEFUL MAN MACHINE
	INTERFACES AND APPLICATIONS

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3**S**8

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Related U.S. Application Data

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345/158, 168, 700, 719, 863; 340/407.2; 341/22; 400/719

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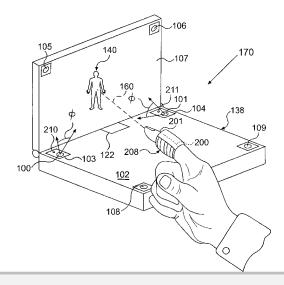
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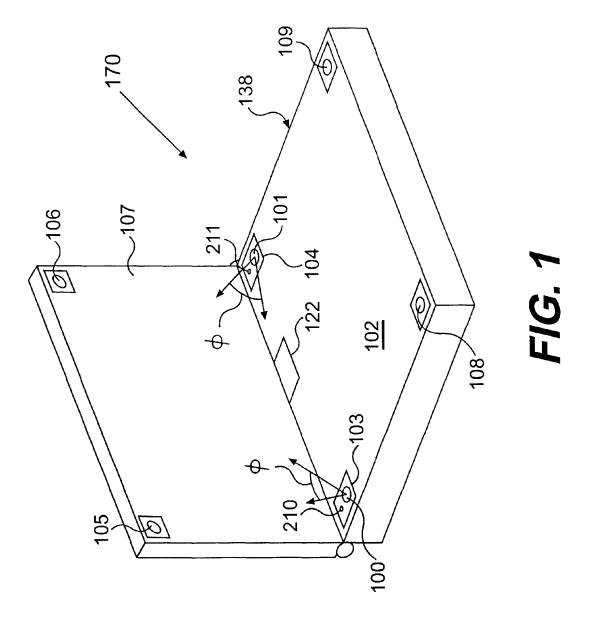
(57) ABSTRACT

The invention is a continuation of earlier applications aimed at providing affordable methods and apparatus for inputting position, attitude(orientation) or other object characteristic data to computers for the purpose of controlling the display thereof. Preferred embodiments utilize electro-optical sensors such as TV cameras, to input data from objects and fingers, and/or other body parts of the user, to laptop, hand held and other computers used for Computer Aided learning, Gaming, 3D graphics, internet commerce and other applications.

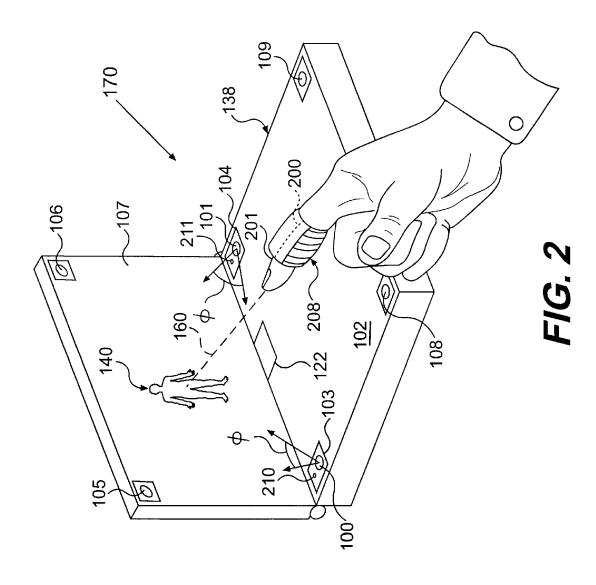
22 Claims, 7 Drawing Sheets



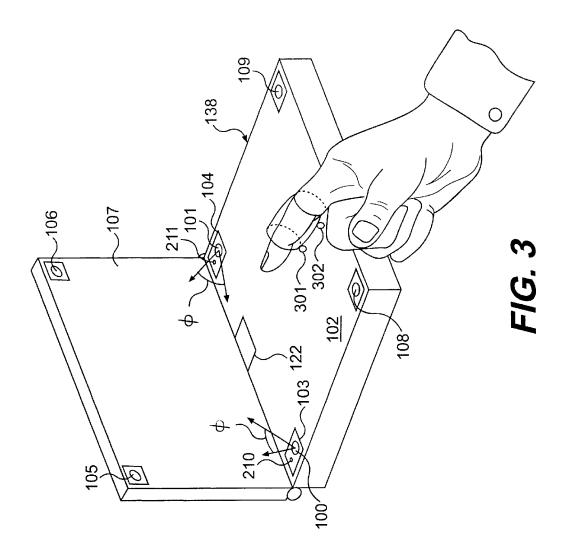




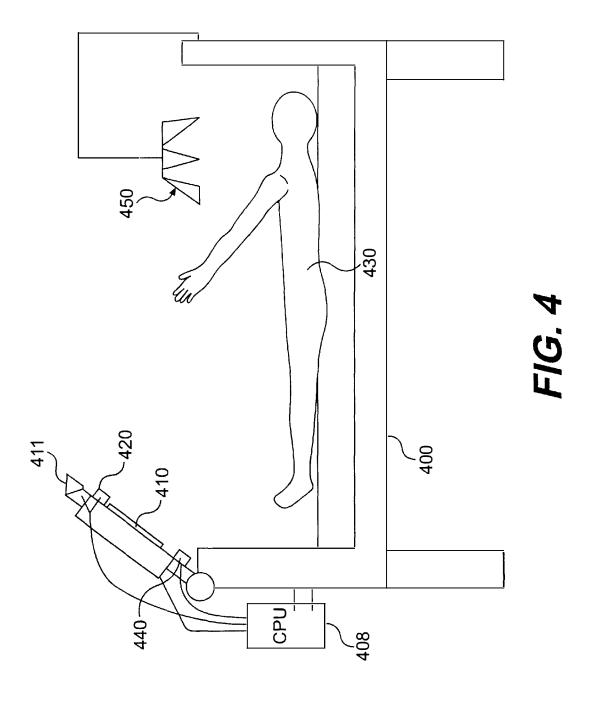








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