# Exhibit S



## (12) United States Patent

### **Pryor**

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### (54) MORE USEFUL MAN MACHINE INTERFACES AND APPLICATIONS

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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

- Appl. No.: 13/714,748
- Filed: (22)Dec. 14, 2012

### (65)**Prior Publication Data**

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### Related U.S. Application Data

- Continuation of application No. 12/700,055, filed on Feb. 4, 2010, which is a continuation of application No. 10/866,191, filed on Jun. 14, 2004, now abandoned, which is a continuation of application No. 09/433,297, filed on Nov. 3, 1999, now Pat. No. 6,750,848.
- (60)Provisional application No. 60/107,652, filed on Nov. 9, 1998.
- (51) Int. Cl. H04N 9/47 (2006.01)H04N 7/18 (2006.01)
- (52) U.S. Cl.
- (58) Field of Classification Search See application file for complete search history.

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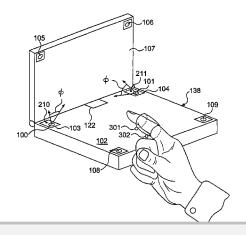
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### (57)ABSTRACT

A method for determining a gesture illuminated by a light source utilizes the light source to provide illumination through a work volume above the light source. A camera is positioned to observe and determine the gesture performed in the work volume.

### 30 Claims, 7 Drawing Sheets

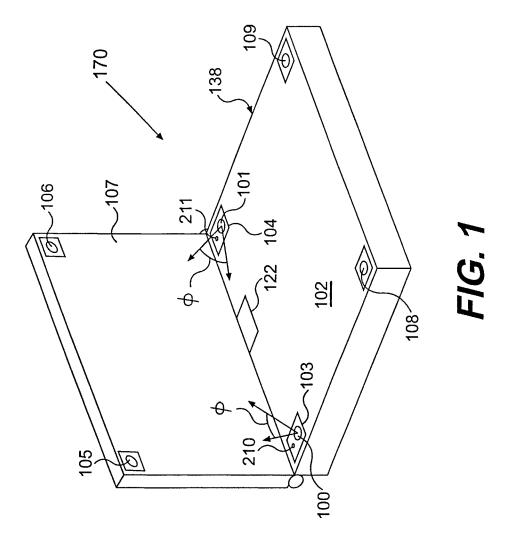


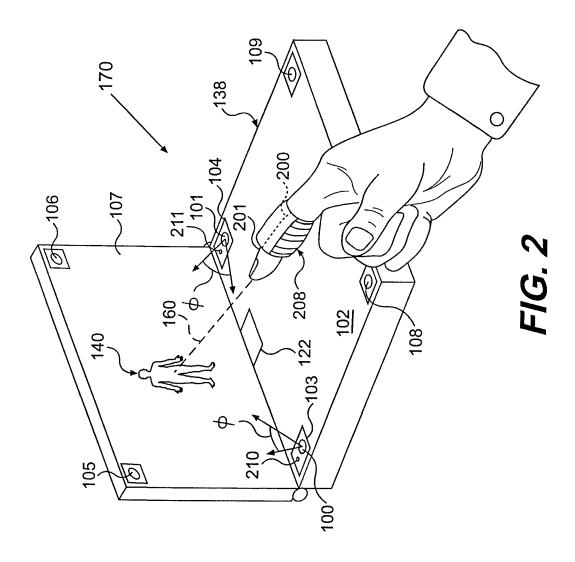


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