

# EXHIBIT C



(12) **United States Patent**  
**Pryor**

(10) **Patent No.:** US 8,553,079 B2  
(45) **Date of Patent:** Oct. 8, 2013

(54) **MORE USEFUL MAN MACHINE INTERFACES AND APPLICATIONS**  
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(72) Inventor: **Timothy R. Pryor**, Sylvania, OH (US)  
(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **13/714,748**

(22) Filed: **Dec. 14, 2012**

(65) **Prior Publication Data**  
US 2013/0169535 A1 Jul. 4, 2013

**Related U.S. Application Data**  
(63) 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.**  
USPC ..... **348/77; 348/155**

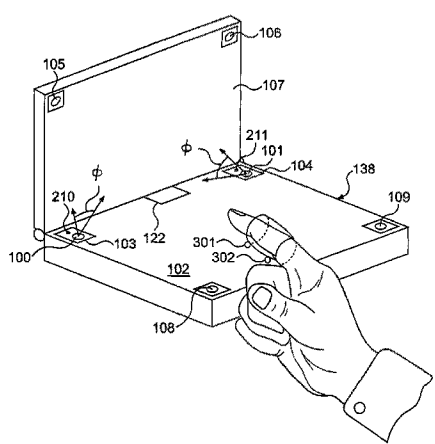
(58) **Field of Classification Search**  
None  
See application file for complete search history.

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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**



## US 8,553,079 B2

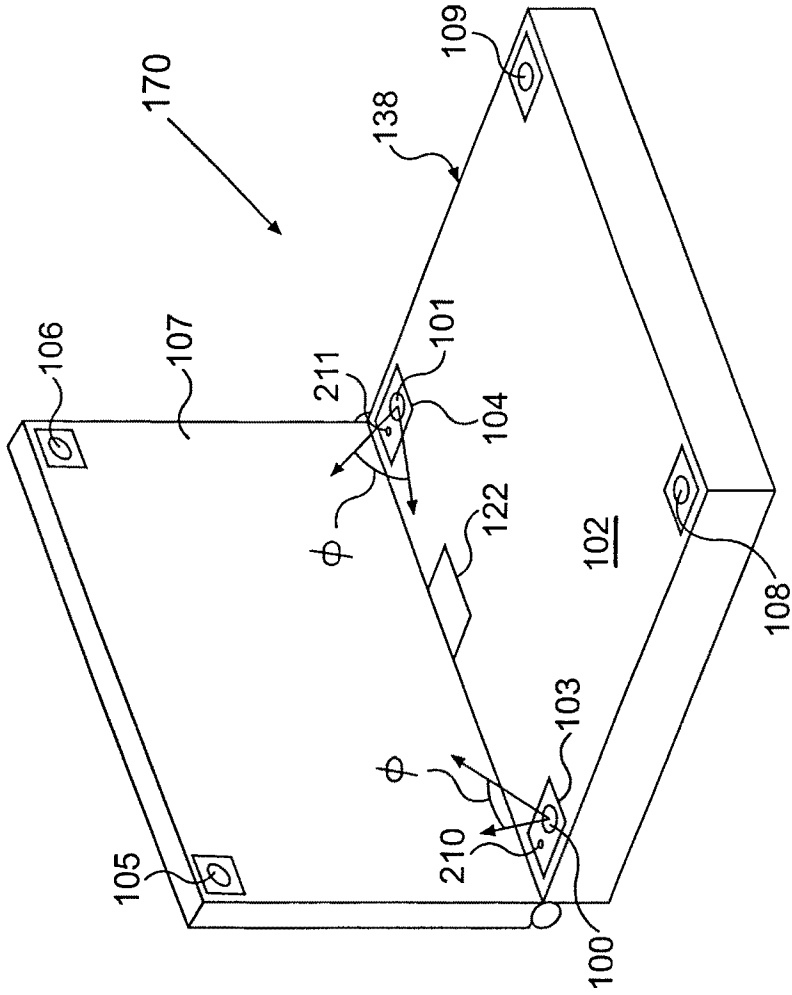
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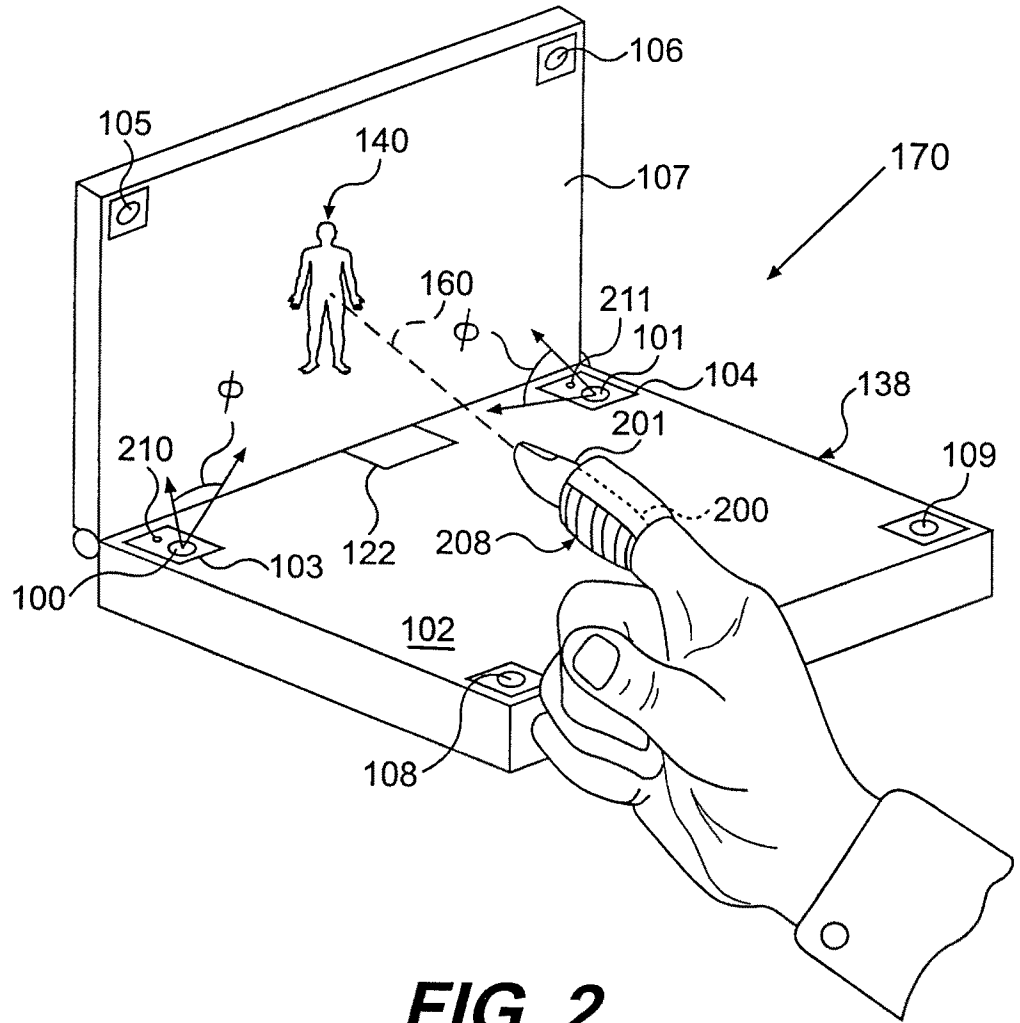
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**FIG. 1**



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