

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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GOOGLE LLC,  
Petitioner

v.

GESTURE TECHNOLOGY PARTNERS LLC,  
Patent Owner

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Case No. IPR2022-00360  
U.S. Patent No. 8,553,079

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**PETITION FOR *INTER PARTES* REVIEW  
OF U.S. PATENT NO. 8,553,079**

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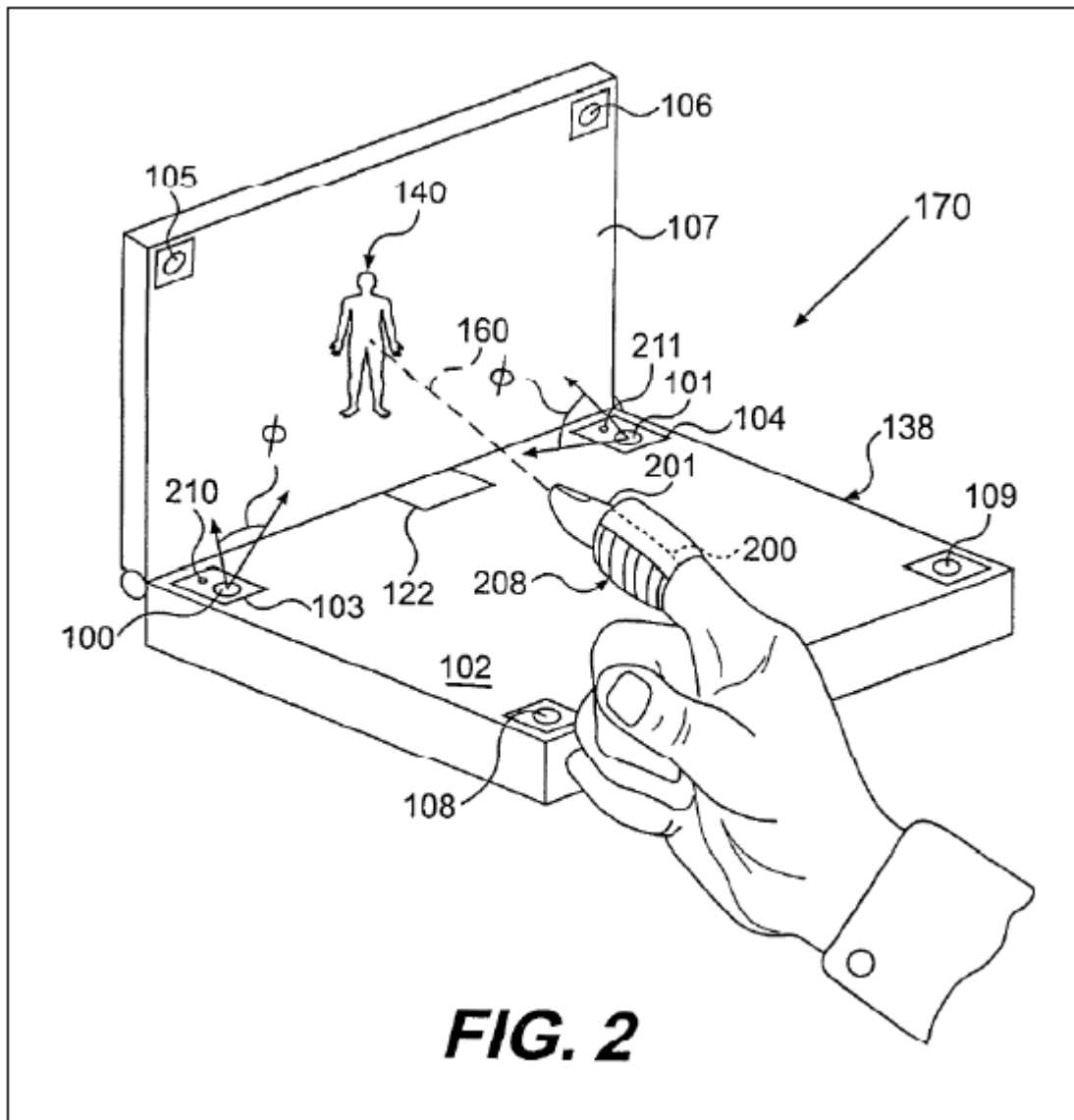
## **I. INTRODUCTION**

Petitioner Google LLC (“Petitioner”) requests an *Inter Partes* Review (“IPR”) of claims 1–30 (the “Challenged Claims”) of U.S. Patent No. 8,553,079 (“the ’079 Patent”). This petition is substantively the same as IPR2021-00922 (which is instituted), and is being filed concurrently with a motion for joinder with respect to that proceeding.

## **II. SUMMARY OF THE ’079 PATENT**

### **A. The ’079 Patent’s Alleged Invention**

The ’079 Patent generally describes computer input devices employing cameras and lights to observe points on the human body and optically sense human positions and/or orientations. *’079 Patent* (Ex. 1001), 1:54-2:6. Examples of input devices contemplated by the patent include a computer keyboard, puzzle toy, and handheld computer. *Id.* at 2:15-31. Fig. 2 below illustrates one exemplary embodiment implemented in a laptop computer:



*Id.* at Fig. 2. As illustrated, a laptop 138 may include camera locations 100, 101, 105, 106, 108, 109; keyboard surface 102; screen housing 107; light 122; light emitting diodes (LEDs) 210 and 211, and work volume area 170 within which a user's movements are detected. *Id.* at 2:39-53. The system can detect a user's finger alone or the user may employ external objects such as ring 208 to help detect and recognize gestures performed in work volume area 170. *Id.* at 2:54-3:8. The '079 Patent

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