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(54) **FLEXIBLE TOUCHPAD SENSOR GRID FOR CONFORMING TO ARCUATE SURFACES**

(75) Inventors: **George Gerpheide**, Salt Lake City, UT (US); **Brian Taylor**, Sandy, UT (US); **Richard Woolley**, Orem, UT (US); **Daniel Lee**, Salt Lake City, UT (US)

(73) Assignee: **Cirque Corporation**, Salt Lake City, UT (US)

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(51) **Int. Cl.**[7] **G09G 5/00**

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(58) **Field of Search** 345/173, 179, 345/174, 175, 156

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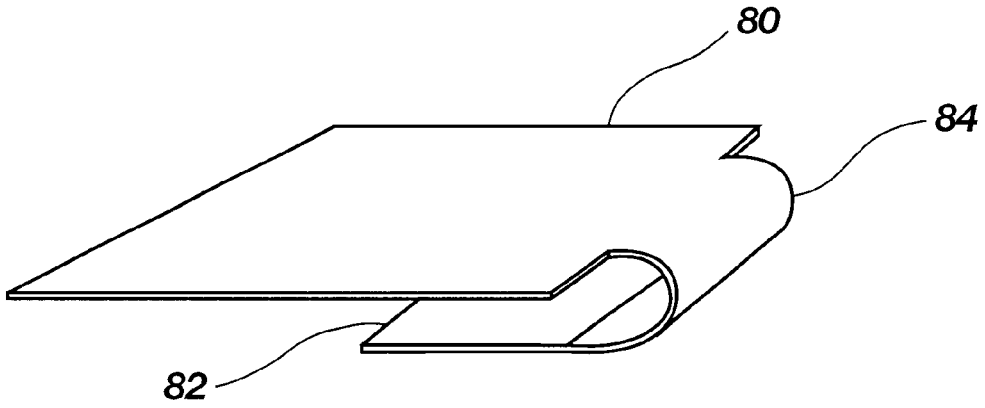
Primary Examiner—Steven Saras
Assistant Examiner—Fritz Alphonse
(74) *Attorney, Agent, or Firm*—Morriss O'Bryant Compagni, P.C.

(57) **ABSTRACT**

A touchpad formed from the combination of a flexible and non-conductive material used for a touch-sensitive surface, and a PC board on which is mounted the touchpad circuitry, wherein touchpad sensing electrodes are disposed on the touch-sensitive surface by creating electrical traces formed from conductive ink, the touch-sensitive surface being capable of conforming to various arcuate surfaces, and being capable of sensing through a protective housing such that the touch-sensitive surface is protected, and does not come in direct contact with the pointing object.

17 Claims, 5 Drawing Sheets