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[54] **ELECTRONIC DEVICE INCLUDING APPARATUS AND METHOD FOR ROUTING FLEXIBLE CIRCUIT CONDUCTORS**

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[58] **Field of Search** ..... 361/814, 807; 455/90, 572, 573, FOR 121; 379/433; D13/103; D14/138

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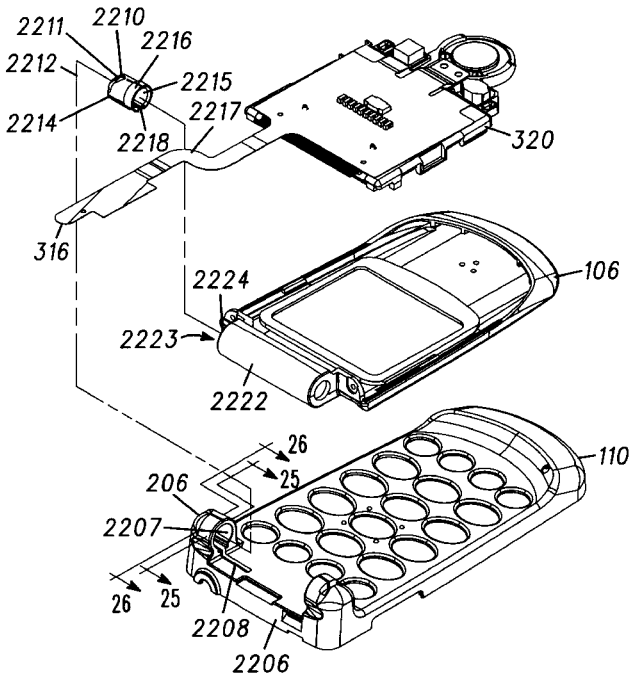
[57] **ABSTRACT**

An electronic device such as a radiotelephone (**100**) includes a bottom housing (**108**) defining a first hinge aperture (**2207**) and a slot (**2208**) adjacent the first hinge aperture. A top housing (**102**) defines a second hinge aperture (**2223**) having an inner rotation surface (**2226**). A shaft (**2210**) extends from the first housing at the first hinge aperture. The shaft is sized for insertion in the second hinge aperture and terminates in a bearing surface (**2216**), the inner rotation surface pivoting on the bearing surface as the second housing moves in relation to the first housing. The shaft and the bearing surface both define a shaft slot (**2218**) aligned with the slot in the first housing for routing a flexible circuit element (**216**) between the first housing and the second housing.

21 Claims, 27 Drawing Sheets