Title (en)

SIGNAL ENTRY APPARATUS FOR ELECTRONIC DEVICE BASED ON MECHANICAL GEAR LINKAGE

Title (de)

SIGNALEINGABEVORRICHTUNG FÜR ELEKTRONISCHE VORRICHTUNG AUF DER BASIS EINER MECHANISCHEN GETRIEBEVERBINDUNG

Title (fr)

APPAREIL D'ENTRÉE DE SIGNAL POUR DISPOSITIF ÉLECTRONIQUE BASÉ SUR UNE LIAISON D'ENGRENAGE MÉCANIQUE

Publication

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Application

EP 22217003 A 20221228

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Abstract (en)

The present invention is applicable to the technical field of electronic devices, and provides a signal entry apparatus for an electronic device based on mechanical gear linkage, which is applied to an electronic device, the signal entry apparatus comprising: a rotating disk mounted on a bottom shell of the electronic device; a transmission mechanism arranged inside the bottom shell and rotatably connected to the rotating disk; and an encoder connected to the transmission mechanism, wherein the encoder converts a mechanical movement characteristic signal generated by the transmission mechanism into an electrical signal, which electrical signal is transmitted through a circuit to a circuit board arranged inside the bottom shell. Different electrical signals are generated from the mechanical information generated by the transmission mechanism and are transmitted to the circuit board, which can expand the way of information entry and improve the amount of information during information entry. The circuit board performs a corresponding operation based on the corresponding information, such that more characteristic signals can be encoded to better complete the information entry of the electronic device, improving the operability of the electronic device.

IPC 8 full level

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CPC (source: CN EP)

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Citation (search report)

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