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(57) Abstract :
 A wearable mouse device (100) is disclosed, comprising a gesture detection module (101), microcontroller (102), Bluetooth module (103), power unit (104), haptic feedback motor (105), and capacitive touch sensor (106). The device detects hand movements and thumb-index interactions to execute scrolling, clicking, and pointer control via wireless transmission. Designed for ergonomic wear on the hand, it eliminates the need for flat surfaces, enhancing user mobility and accessibility across multiple platforms and environments.

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