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(57) Abstract :  
The present invention discloses a smart glove (100) for VR/AR-based interfacing, integrating flex sensors (101), inertial measurement unit (102), vibro-haptic actuators (103), pressure pads (104), wireless module (105), and microcontroller (106). The glove enables real-time gesture recognition, motion tracking, and tactile feedback, enhancing user immersion. The system supports pressure-sensitive input, low-latency data transmission, and modular compatibility with virtual platforms. The invention improves naturalistic interaction in immersive computing applications through ergonomic and responsive wearable technology.

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