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(57) Abstract :

The present invention discloses a handwriting recognition tablet device comprising a touch-sensitive display (14), a stylus (16), and an integrated processing module (18) for real-time handwriting-to-text conversion. The device utilizes an AI-based recognition engine (20) capable of functioning offline, supporting multiple languages and adapting to individual writing styles. It enables seamless digital documentation by interpreting handwriting with minimal latency and includes gesture-based editing features. This invention enhances productivity in educational, professional, and assistive applications by combining handwriting familiarity with digital efficiency.

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