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(57) Abstract :

A writing device 100 for error detection and correction during writing is disclosed. The writing device includes a body 102 having a cartridge with a writing tip 106, and an image capturing unit 108 for capturing images of writing surface. Upon detection of misspelled words and grammatical mistakes in content written on the writing surface, the writing device 100 can provide visual alert and audio alert to the user, and the user erase the content with the correcting instrument 112 coupled with the push button 110 and rewrite recommended words and sentences. The visual alert can be displayed on a display unit 204, and the audio alert can be provided by an alert unit 206. Also, upon detection of a surface besides the writing surface, the writing tip 106 can be retraced inside automatically.

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