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(57) Abstract :

The present invention relates to a reading assistive device for visually impaired comprising, a platform 1 positioned in proximity to a visually impaired user, installed with a rotatable AI (artificial intelligence) module 2 for image capturing of the words, a microcontroller connected with a braille translation protocol to processes captured images to decode exact alphabets, plurality of pneumatic operated blocks 3 arranged on the platform that in which locks sequentially extends and retracts based on decoded alphabet type, a speaker 4 positioned to utter voice outputs related to each and every alphabet decoded in real time, a microphone 5 positioned for inputting voice commands regarding a specific uttered alphabet/word and an internet module is activated to know meaning of a specific uttered word, to derive exact meaning of the word in real time, a battery is associated for powering up all electrical and electronically operated components associated with the device.

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