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(57) Abstract :

This innovative invention, known as smart shoes for the visually impaired, expeditiously detects objects and locates an unobstructed path. It harnesses power through a walk system to generate electricity. Boasting automated heat detection and cooling adjustment, it provides superior comfort to the user without inducing perspiration or irritation. This portable device features object detection capabilities, comfortable usage, and independent electric-power generation. Its sustainable design enables blind individuals to navigate unfamiliar terrain with ease in situations where they would otherwise require assistance from others.

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