

(54) Title of the invention : COOLING PAD WITH AI-DRIVEN RGB ILLUMINATION AND FAN CONTROL

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(57) Abstract :  
The present disclosure discloses a cooling pad (100) to address the challenges of laptop overheating and user discomfort. Incorporating an innovative integration of cooling technology and artificial intelligence (AI), the cooling pad (100) includes an elevated frame (102) equipped with sensors (108) monitoring temperature, CPU/GPU usage, and workload. A control unit (114) dynamically adjusts the speed of integrated fans (104) and heat sinks (106) based on real-time data, ensuring efficient cooling during varying tasks. The cooling pad (102) also boasts RGB lighting synchronized with the laptop's activities, creating an immersive visual experience. Ergonomic design, cable management, wireless technology, and user-friendly controls further enhance user comfort and versatility. The cooling pad (100) optimizes laptop performance, extends device lifespan, and caters to the diverse needs of users in a modern, wire-free workspace.

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