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(57) Abstract :
The present disclosure discloses a system (100) for self-cleaning a variety of hair combs (102). The system (100) encompasses a server (108) facilitating secure communication with computing devices (110) via a network (112). The system (100) comprises a processor (104) and a memory (106) containing a set of instructions. The processor (104) is configured to receive a set of images of the hair comb (102) captured by an image capturing unit (114). The received set of images are compared with images of debris-affected combs, and correspondingly, the processor (104) identifies the presence or absence of debris based on the comparison. Upon identification, the processor (104) actuates a slider mechanism (116) to move a cleaning filament (118) along a teeth assembly (118), thereby removing debris. Additionally, the processor (104) generates and transmits a notification signal to connected computing devices (110) to indicate successful debris removal from the hair comb (102).

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