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# (57) Abstract:

A system 100 for safe operation of a nail clipper is disclosed including a pair of sensors 120 mounted on the inner surface of an upper cutting arm 102 and a lower cutting arm 104 of the nail clipper, a control unit 150 and a responding device 160. The pair of sensors 120 sense the temperature of top surface and bottom surface of a fingernail and transmit the same to the control unit 150. The control unit 150 determines a difference in the temperature sensed by the pair of sensors 120, and compares the same with a predefined threshold of temperature to ascertain that free edge of the fingernail is being cut. If the difference in temperature sensed by the pair of sensors 120 is beyond the predefined threshold of temperature the control unit 150 transmits a command signal to the responding device 160.

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