

(54) Title of the invention : DEVICE TO ASSIST IN REPAIRING ELECTRONICS DEVICE

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(57) Abstract :
 A device (100) to assist in repairing electronic devices is disclosed. The proposed device (100) includes an electromagnetic surface (110), where an internal circuit diagram of the electronic device that needs to be repaired by a user is projected using a projector (108). An image capturing unit (112) is configured to obtain images of the internal circuit diagram, and images are analysed using machine learning techniques to detect location of screws in the internal circuit of the electronic device. The proposed device assists the user by informing which bit needs to be used for the screw, by displaying information of all the screws detected in the internal circuit of the electronic device that needs to be repaired. Accordingly, the user may use an accurate bit to attach or detach the screw in the internal circuit and prevent damage to the screw.

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