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(57) Abstract :

The present invention relates to a blade sharpening device comprising of an elongated body 1 installed to support a sharpening unit 2, wherein the body 1 is hollow in nature, an Artificial intelligence (AI) camera 3 associated with the body 1 for detecting the configuration of multiple blades, at least two sensors coupled on the body 1, wherein the primary sensor detects pre-fed parameters and the secondary sensor detects material of the blades, a microcontroller in communication with the camera 3 and sensors, wherein the microcontroller on processing combined signals received from the camera 3 and sensors generates a command to a the sharpening unit 2, a motorized telescopic rod 4 secured with the sharpening unit 2 integrated within the body 1, wherein the rod 4 assists movement of the sharpening unit 2 while sharpening the blades. Ref Figure 1

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