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(57) Abstract :

A handheld object lifting device, comprises of an elongated body 1 configured with a pair of elongated members 3 utilize for lifting the object, a camera 4 mounted on the body 1 for capturing multiple images of the object, a motorized slider 6 configured between the body 1 and members 3 for translating the members 3, a tactile sensor mapped on one of the members 3 for detecting hardness of the object, a capacitive force sensor is mapped on the handle 2 for detecting force applied by the user for gripping the handle 2 , a moisture sensor is mapped on the handle 2 for detecting moisture level on the user's hand, and an air blower 8 mounted on the body 1 for blowing air to eliminate moisture from the user's hand.

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