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(57) Abstract :
An adjustable eating assistive device, comprises of an inverted U-shaped body 1 developed to be installed on a brim portion of a utensil, suction cups 2 ranging from 4 to 6 in numbers arranged on inner surroundings of the brim portion affixes with the brim portion, a touch sensor installed at the inner surroundings for detecting placement of the body 1 on the brim portion, an artificial intelligence based imaging unit 4 mounted on the body 1 to determine primary hand of the user along with any damaged portion on the utensil, motorized pop-out balls ranging from 4 to 6 in numbers arranged on the body 1 for positioning the body 1 opposite to the primary hand, and a speaker 6 assembled on the body 1 for generating voice commands to notify the user regarding lifting of food from the utensil.

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