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(57) Abstract :

A handheld food item transfer assistive device, comprises of an extendable platform 1 attached with a handle 2 gripped by a user and having a first and second portion, roller 3 wrapped with a sheet 4, a rectangular member 5 connected with the sheet 4 and initially positioned at and end of the platform 1, a microphone 7 for enabling a user to give voice commands, an artificial intelligence-based imaging unit 8 for detecting exact location of the food item, a laser projection unit 9 for projecting a laser beam to guide the user in aligning the platform 1, a drawer arrangement 10 for extending the platform 1 and unit as per dimensions of the food item, a speaker 11 for notifying the user to move the member 5, a robotic arm 12 for removing food item via the plate 13.

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