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(54) Title: WASTE MANAGEMENT SYSTEM

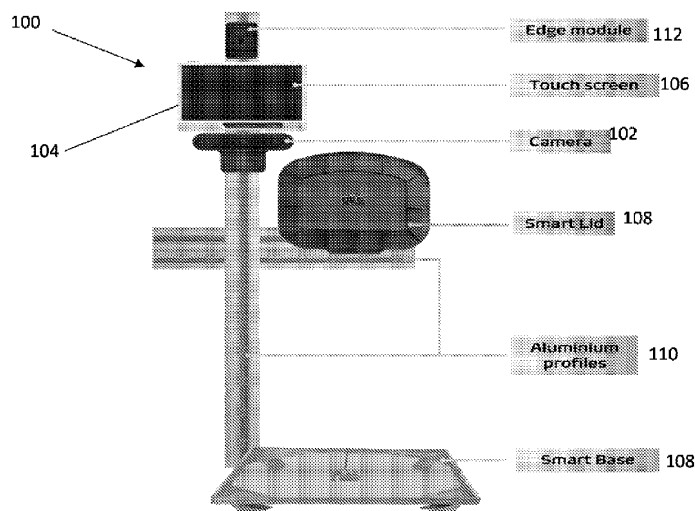


Figure 1

(57) Abstract: Disclosed is a waste management system for general waste stream (Cans, Paper, Plastic, non-recyclables). The system comprises an image capture device for capturing an image of a waste object of a user; at least one processor; and memory. The memory stores instructions that, when executed by the at least one processor, implement an inferencing pipeline for analysing the image to: identify a waste stream of the waste object; identify a specific type of the waste object; and if the waste object belongs to a recyclable waste category, assess acceptability of the waste object for recycling. Moreover, the system includes a display for displaying the specific type and acceptability to the user.

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