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(54) Title: MEASURING APPARATUS FOR PERFORMING POSITIONAL ANALYSIS ON AN INTEGRATED CIRCUIT CARRIER

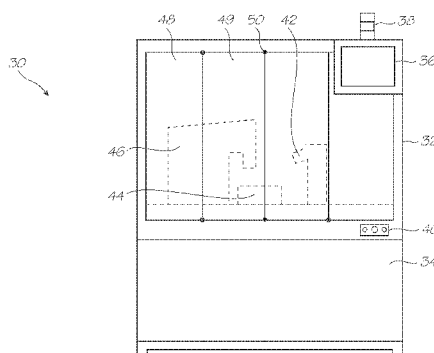


FIG. 3

(57) Abstract: The invention relates to a measuring apparatus. The apparatus includes a housing assembly that defines an enclosure, a control system mounted in the housing assembly, and an operator interface mounted on the housing assembly and connected to the control system to allow an operator to control the measuring apparatus. The apparatus also includes a measuring table assembly mounted in the housing assembly and configured to receive a nest assembly supporting an integrated circuit carrier carrying a number of integrated circuits, and a camera assembly mounted in the housing assembly and configured to generate image data representing the integrated circuit carrier and the integrated circuits. The camera assembly is connected to the control system which is configured to carry out a positional analysis on the integrated circuit carrier and the integrated circuits to determine at least one of positions of the integrated circuits on the carrier and relative positions of consecutive integrated circuits.