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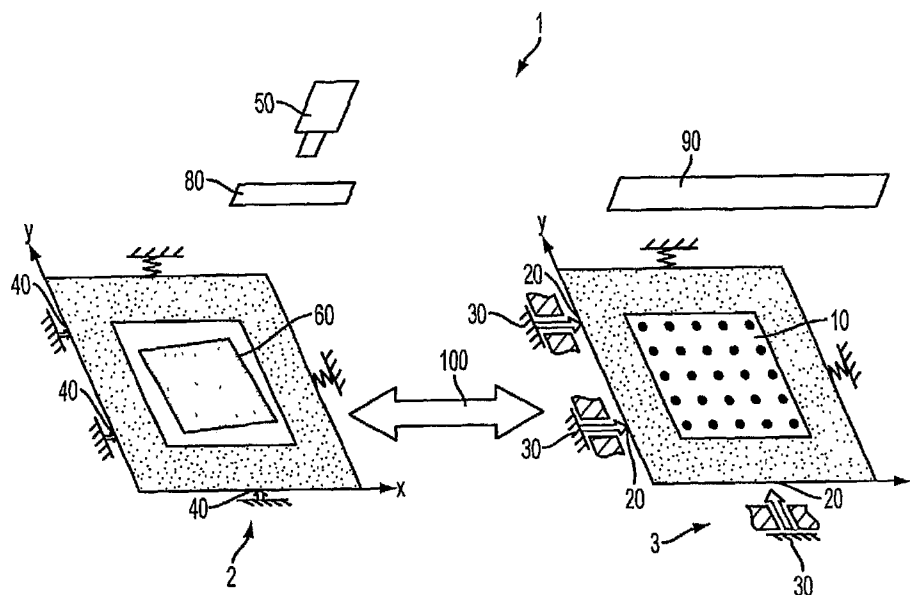
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(54) Title: SINGLE CAMERA THREE-POINT VISION ALIGNMENT SYSTEM FOR A DEVICE HANDLER



(57) Abstract: A machine vision alignment system (1) for aligning a device to be tested (60) includes an alignment camera (50) positioned above an alignment portion (2) of the alignment system (1). A lighting system (80) for emitting light onto the device to be tested (60) is located in proximity to the alignment camera (50). An alignment (10) target is used to define an alignment (10) target coordinate system. Three actuators (30) are positioned in a testing portion (3) of the vision alignment system (1), for correcting an offset (70) between the alignment (10) target and the device to be tested (60). A pick and place handler (100) transports the alignment target (10) and the device to be tested (60) between the testing portion (3) and the alignment portion (2).



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