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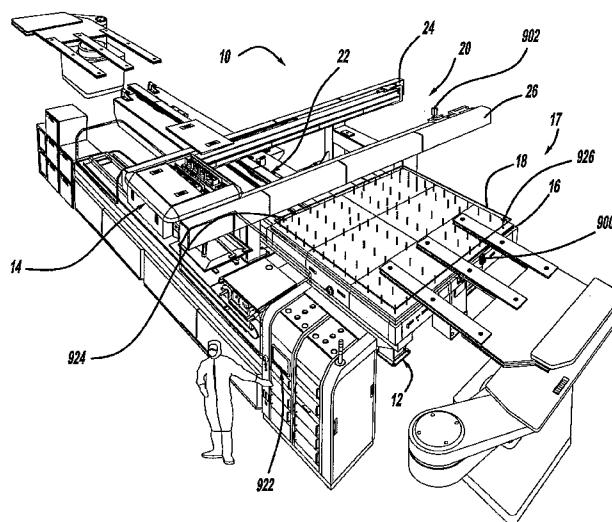
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(54) Title: PRINTABLE SUBSTRATE AND NOZZLE ALIGNMENT SYSTEM



(57) Abstract: According to the present disclosure, a printer apparatus (10) may include a chuck (16) configured to support a substrate thereon, a rail (24, 26) spaced apart from the chuck (16), a printhead carriage frame (14) coupled to the rail (24, 26) and containing a printhead carriage housing at least one printhead (40) therein, a first camera assembly (17) configured to capture image data of the printhead (40) and provide the image data to a computer, and a computer receiving the image data from the first camera assembly (17) and configured to determine a deviation between a desired position of the printhead (40) and an actual position of the printhead (40).



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