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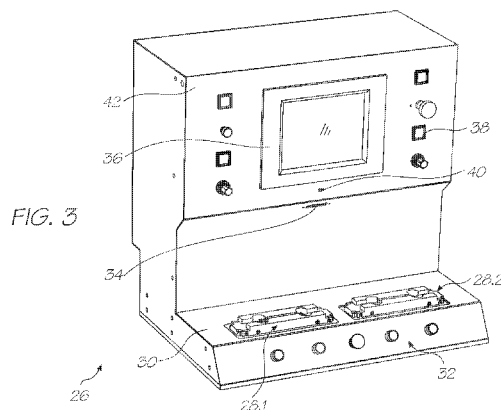
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(54) Title: LEAK TESTER FOR A CARRIER FOR PRINthead INTEGRATED CIRCUITRY



(57) Abstract: Provided is a leak tester for a carrier for printhead integrated circuits. The carrier has at least one fluid inlet in fluid communication with a plurality of fluid outlets via discrete fluid paths. The tester includes a support assembly that includes at least one receptacle shaped and configured to receive at least one respective carrier, and a pressurized fluid supply arranged on the support assembly and configured to supply pressurized fluid to the fluid inlets, the pressurized fluid supply incorporating a sealing mechanism configured to engage the fluid inlets in a sealing manner. The tester also includes a pressure measurement arrangement operatively arranged with respect to the pressurized fluid supply to measure pressure applied at the fluid inlets, and a controller operatively connected to the pressure measurement arrangement and pressurized fluid supply, the controller being configured to control the fluid supply to charge the carrier with pressurized fluid until a predetermined pressure is reached, and to monitor the pressure for a predetermined period of time.