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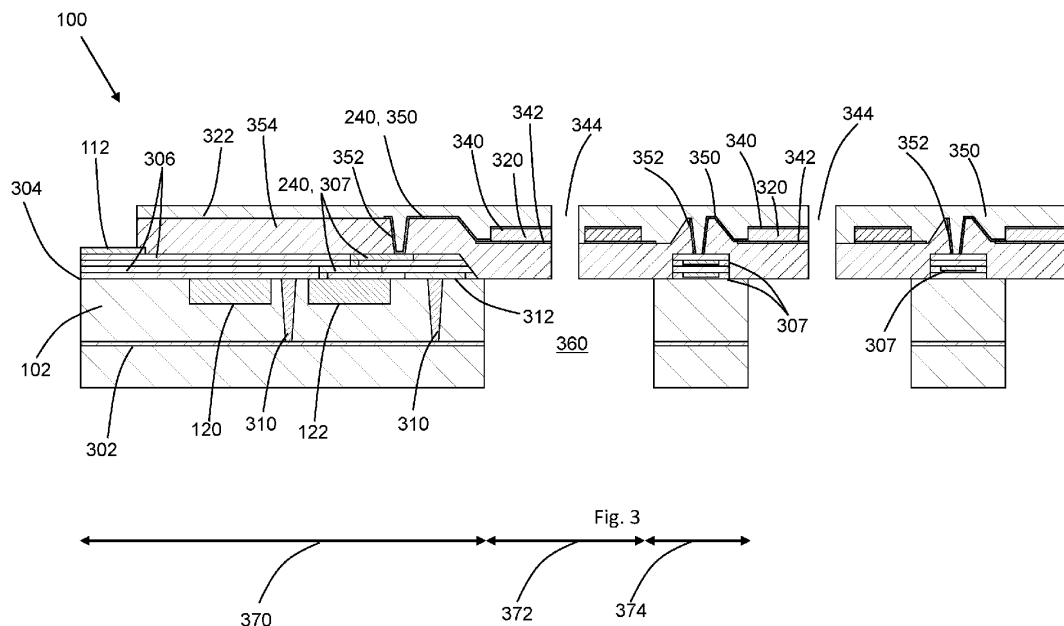
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(54) Title: INKJET PRINTHEAD



(57) Abstract: A printhead for ejecting one or more printable fluids, the printhead comprising a substrate defining a plurality of MEMS droplet ejectors arranged in a lattice, each comprising a flexible diaphragm, a piezoelectric actuator and at least one MEMS metallisation layer; the substrate further defines CMOS control circuitry comprising at least one CMOS metallisation layer and one or more of conductive connections in at least one said metallisation layer, extending from the CMOS control circuitry to each piezoelectric actuator to actuate the piezoelectric actuators; conductive connections extending through the lattice in at least one said metallisation layer to conduct actuator drive waveforms; and a plurality of bond pads in a discrete zone. The printhead is compact, can be easily fabricated and requires relatively few wired connections.

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