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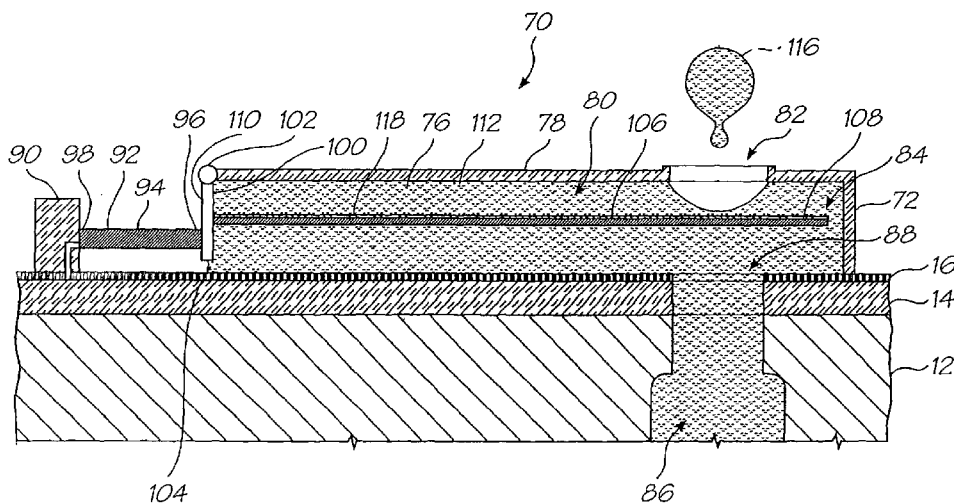
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(54) Title: **PUSHER ACTUATION IN A PRINthead CHIP FOR AN INKJET PRINthead**



(57) **Abstract:** A plurality of nozzle arrangements (70) is positioned on the substrate (12) of printhead chip. Each arrangement includes a nozzle chamber structure (72, 74, 76, 78) positioned on the substrate and defines a nozzle chamber (80) from which ink is ejected. An ink-ejecting mechanism is operatively arranged with respect to the nozzle chamber structure. The ink-ejecting mechanism includes at least one moving component (106) displaceable to generate a pressure pulse within the nozzle chamber to eject ink. An actuator (92) is positioned on the substrate and has at least one working member (104) that is of a material having a coefficient of thermal expansion such that the working member is capable of substantially rectilinear expansion. An energy transmitting means interconnects the moving component and the working member so that energy generated by the working member as a result of expansion and subsequent contraction of the working member is transmitted to the moving component resulting in generation of said pressure pulse.



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