

Abstract of the Disclosure

The present invention comprises an inkjet print head structure wherein the placement of the transducer electrodes in combination with the particular poling direction of the print head transducer material provides for an efficient combination of shear and normal mode actuation of the print head. The preferred print head structure may be formed as a densely packed linear series of substantially parallel ink channels interspaced between and adjacent to a series of substantially parallel air channels. Further, the present invention provides for a print head structure wherein structures in contact with ink are maintained at ground potential. The present invention provides for a method to manufacture a print head having an array of densely packed ink channels having the characteristics of reduced mechanical crosstalk.