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(54) **Element substrate, and printhead, head cartridge, and printing apparatus using the element substrate**

(57) This invention relates to a printhead element substrate (100) having a plurality of electrothermal transducers (206) and a plurality of switching elements (207) which drive the plurality of electrothermal transducers (206). The element substrate has a level converter (116) which is shared by adjacent electrothermal transducers and steps up an input driving signal, and a switch circuit

which supplies the driving signal output from the level converter to one of the adjacent electrothermal transducers. The switch circuit switches the supply destination of the driving signal in accordance with an external input selection signal.

EP 1 908 592 A8

FIG. 1A

