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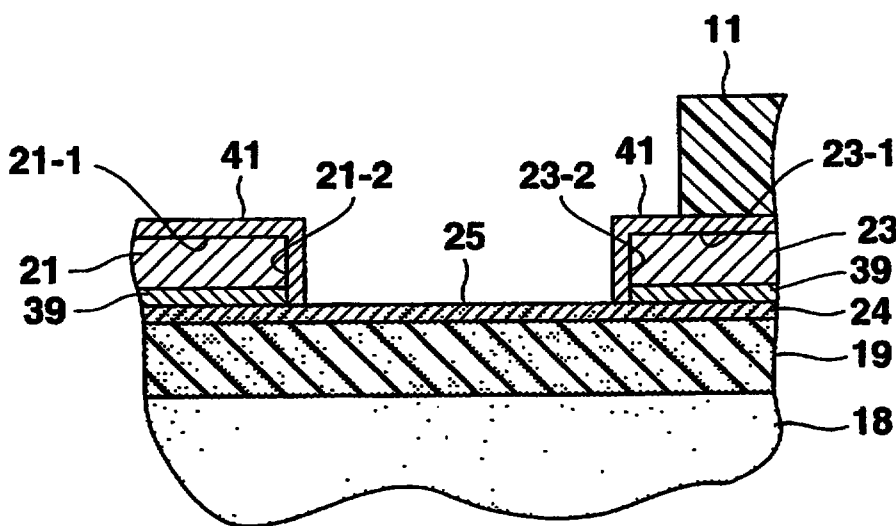
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- (71) Applicant: CASIO COMPUTER CO., LTD. [JP/JP]; 6-2, Hon-machi 1-chome, Shibuya-ku, Tokyo 151-8543 (JP). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INK-JET PRINTER HEAD AND MANUFACTURING METHOD THEREOF



(57) Abstract: Each of heating elements comprises a heating resistor (24), and a pair of a common electrode (21) and an individual electrode (23) formed on ends of said heating resistor (24) so that a heating area (25) of the heating resistor (24) is exposed. A barrier layer (41) covers the electrodes (21, 23) so that the electrodes are not exposed to the ink in the ink flow passage, that is, not only upper surface of the electrodes (21, 23), but also edges thereof are covered with the barrier layer (41). The barrier layer (41) is made of, for example, single atomic metal such as Ta and Ti, oxide, corrosion resistant amorphous alloy, titanium nitride, titanium-tungsten, or the like. The barrier layer (41) has the thickness of 10 to 1,000 nm, and is made by electroless plating or the like. The barrier layer (41) is effective in preventing not only corrosion but also migration as contact surface corrosion.