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(71) Applicant (for all designated States except US): **SILVERBROOK RESEARCH PTY. LTD. [AU/AU]; 393 Darling Street, Balmain, New South Wales 2041 (AU).**

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SILVERBROOK, Kia [AU/AU]; Silverbrook Research Pty. Ltd., 393 Darling Street, Balmain, New South Wales 2041 (AU).**

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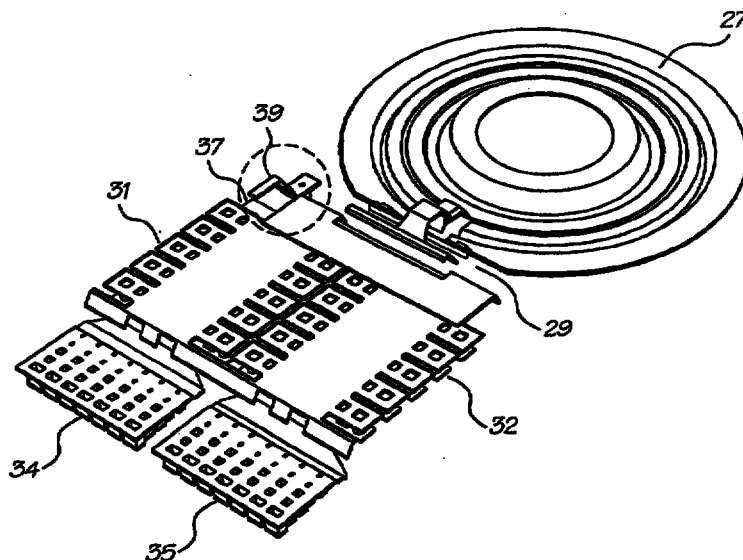
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(54) Title: **MOVEMENT SENSOR IN A MICRO ELECTRO-MECHANICAL DEVICE**



(57) Abstract: A micro electro-mechanical device embodied within an ink ejection nozzle having an actuating arm that is caused to move an ink displacing paddle (27) when heat inducing electric current is passed through the actuating arm. The device incorporates a movement sensor (37, 39) that comprises a moving contact element (37) that is formed integrally with the actuating arm, a fixed contact element (39) that is formed integrally with a support structure of the device and electrical elements formed within the support structure for detecting contact that is made between the fixed contact element (39) and the moving contact element (37). The movement sensor (37, 39) is provided for the purpose of facilitating testing of the device under various operating conditions.

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