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(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way #20-10, Connexis, Singapore 138632 (SG).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **TSAI, Ming Lin Julius** [—/SG]; c/o Institute of Microelectronics, 11 Science Park Road, Singapore Science Park 2, Singapore 117685 (SG).

(74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

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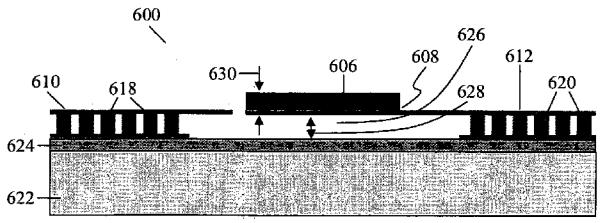


Figure 6D

(57) Abstract: According to embodiments of the present invention, a surface acoustic wave resonator is provided. The surface acoustic wave resonator includes: a first electrode and a second electrode arranged in a first layer; a piezoelectric material formed in a second layer adjacent to the first layer; wherein the piezoelectric material is electrically coupled to the first electrode and the second electrode; and wherein the first layer is free of the piezoelectric material.

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