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(72) Inventors: **CHEN, Shuai**; c/o Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798 (SG).
LEONG, Wei Lin; c/o Nanyang Technological University, 50 Nanyang Avenue, Singapore 639798 (SG).

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

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(71) Applicant: **NANYANG TECHNOLOGICAL UNIVERSITY** [SG/SG]; 50 Nanyang Avenue, Singapore 639798 (SG).

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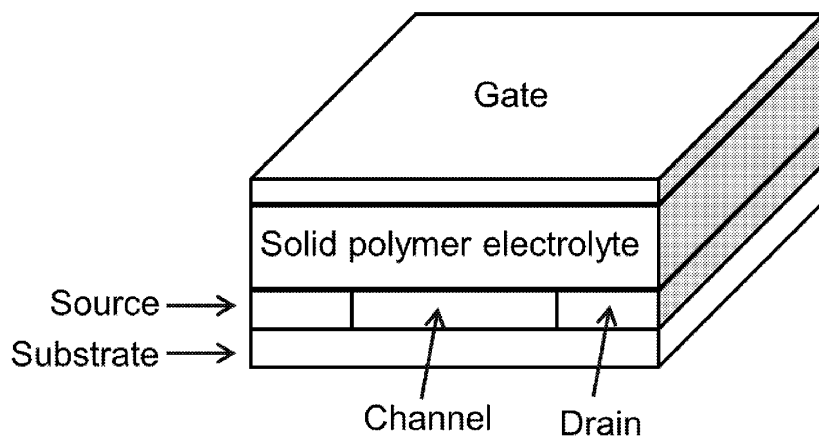


FIG. 1

(57) Abstract: The disclosure provides an electrochemical transistor including a solid polymer electrolyte layer including an ionic conductive polymer and an ionic liquid incorporated into the ionic conductive polymer; a gate electrode that is deposited on a first main side of the solid polymer electrolyte layer; a source electrode and a drain electrode; and a channel comprising a semiconducting material facing a second main side of the solid polymer electrolyte layer and connecting the source electrode with the drain electrode, the second main side being opposite to the first main side. The disclosure also provides a process for making an electrochemical transistor as defined above and a pressure sensor including the electrochemical transistor.

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