

Field effect transistor structure (Technion)

code: ENG-1682

A novel transistor design is proposed, the statistical transistor, which through a single additive step can overcome the problems associated with the crystals grain boundaries and the accompanying non-uniformity. Conducting islands are deposited on or below an assembly of organic crystals, thereafter a continuous electronic path is formed and the device operates as single crystal transistor. The conducting island pattern does not require any alignment and hence is compatible with printing and roll-to-roll manufacturing.

Contact for more information:

Gabriel Shemmer , +972-77-887-1780

T - Technion Technology Transfer
Technion City, Senate Bldg., Haifa 32000, Israel
Tel. 972-4-829-4851; 972-8325-375
Fax. 972-4-832-0845