

United States Patent [19]

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Tang et al.

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- [54] **METHOD OF FABRICATING A TFT-EL PIXEL**
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- [73] Assignee: **Eastman Kodak Company, Rochester, N.Y.**
- [21] Appl. No.: **355,940**
- [22] Filed: **Dec. 14, 1994**
- [51] Int. Cl.⁶ **H01L 21/86**
- [52] U.S. Cl. **437/40; 437/21; 437/59; 437/919; 148/DIG. 150**
- [58] **Field of Search** 437/40 TF, 41 TF, 437/21, 913, 919, 54, 59; 148/DIG. 150

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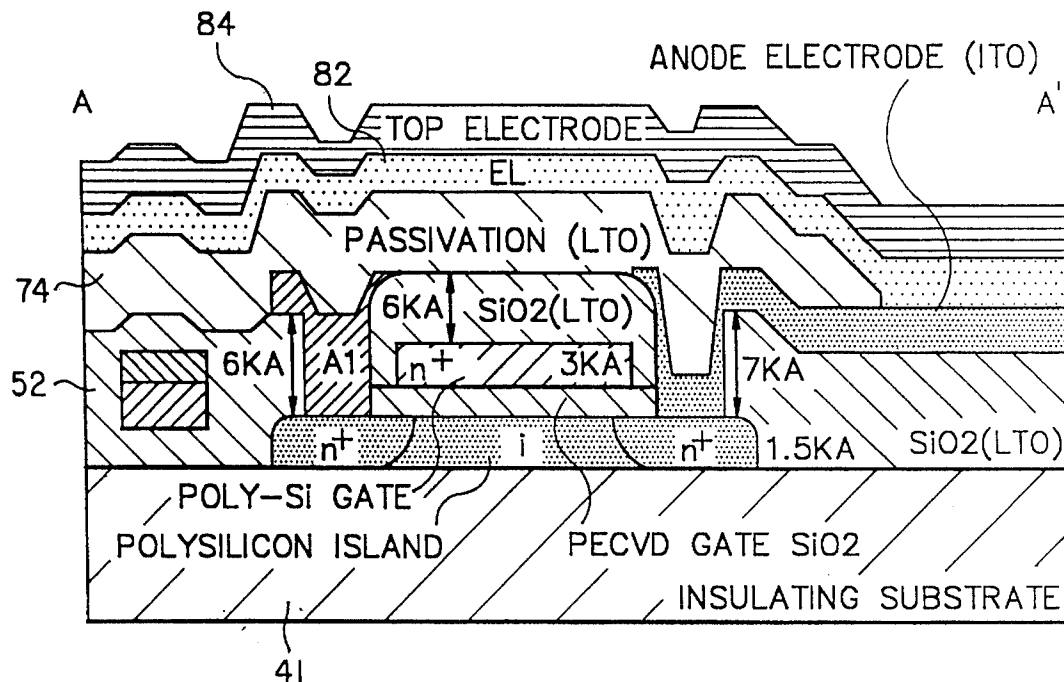
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[57] **ABSTRACT**

A method of making a 4-terminal active matrix electroluminescent device that utilizes an organic material as the electroluminescent medium is described. In this method, thin film transistors are formed from polycrystalline silicon at a temperature sufficiently low such that a low temperature, silica-based glass can be used as the substrate.

10 Claims, 5 Drawing Sheets



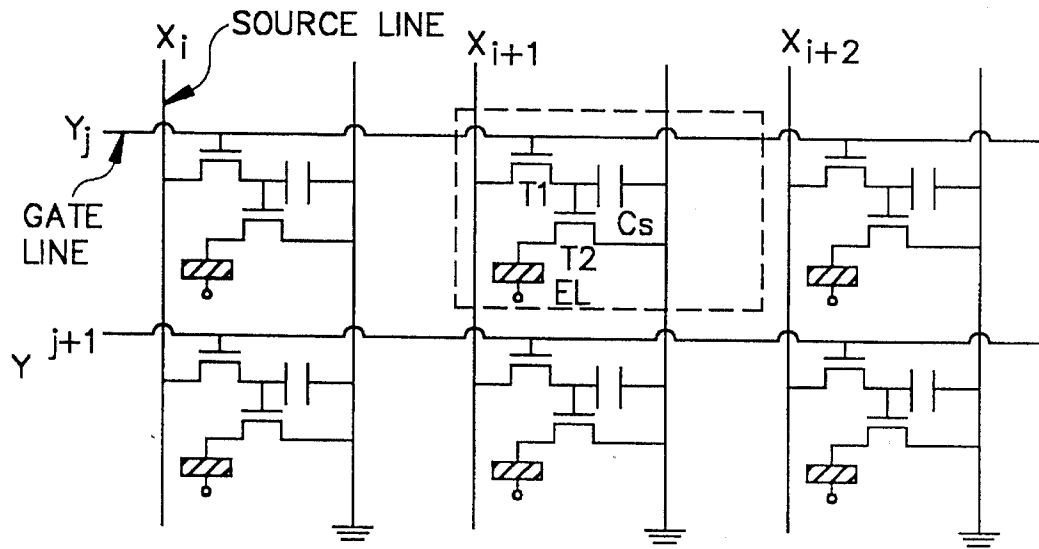


FIG. 1

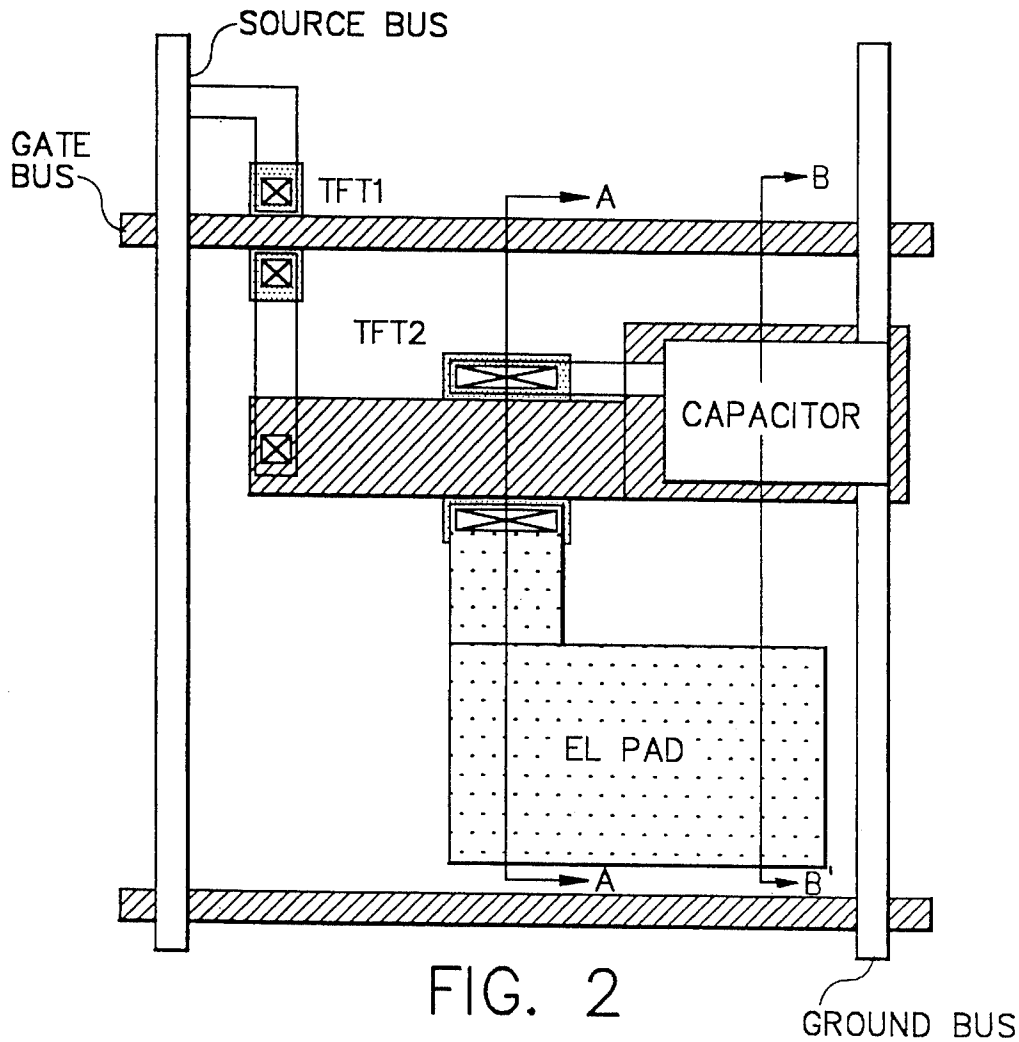


FIG. 2

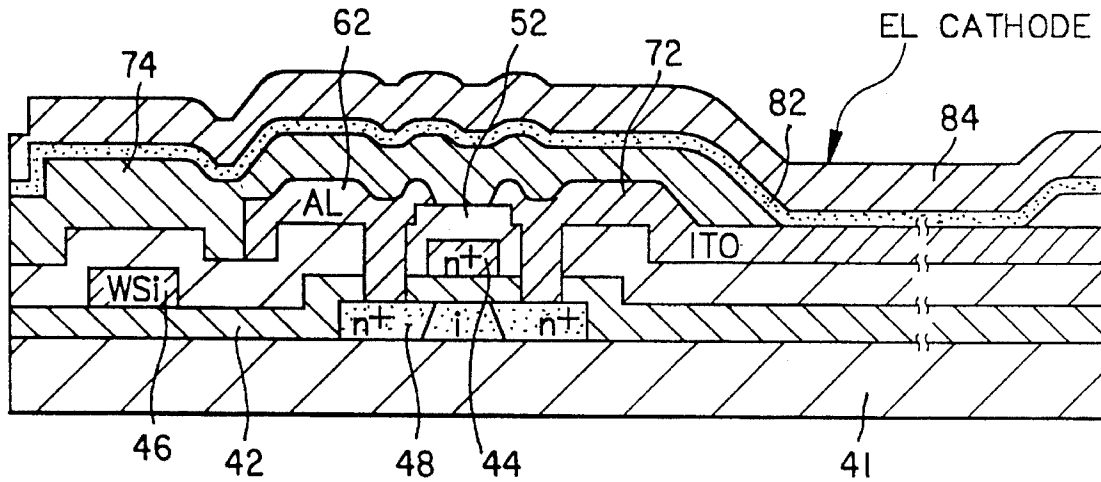


FIG. 3

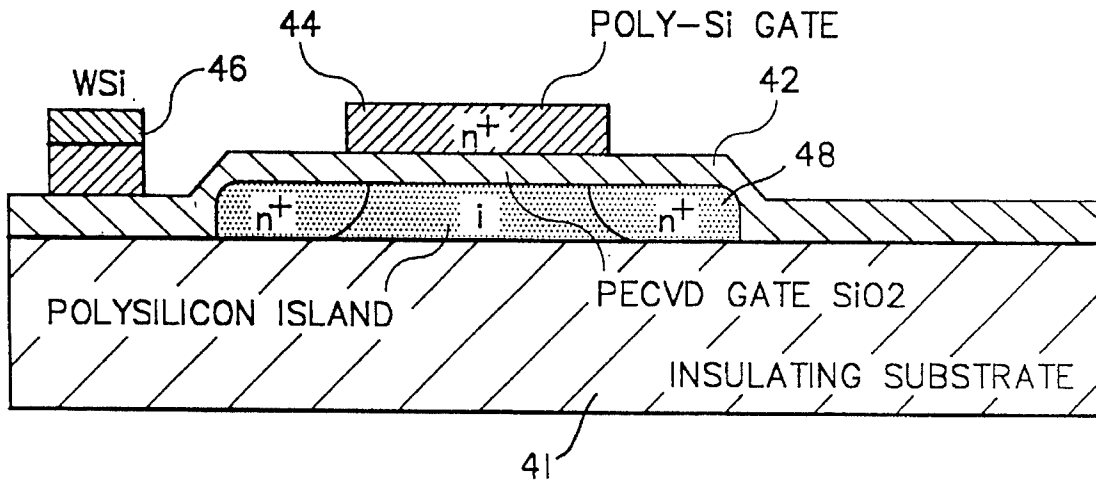


FIG. 4

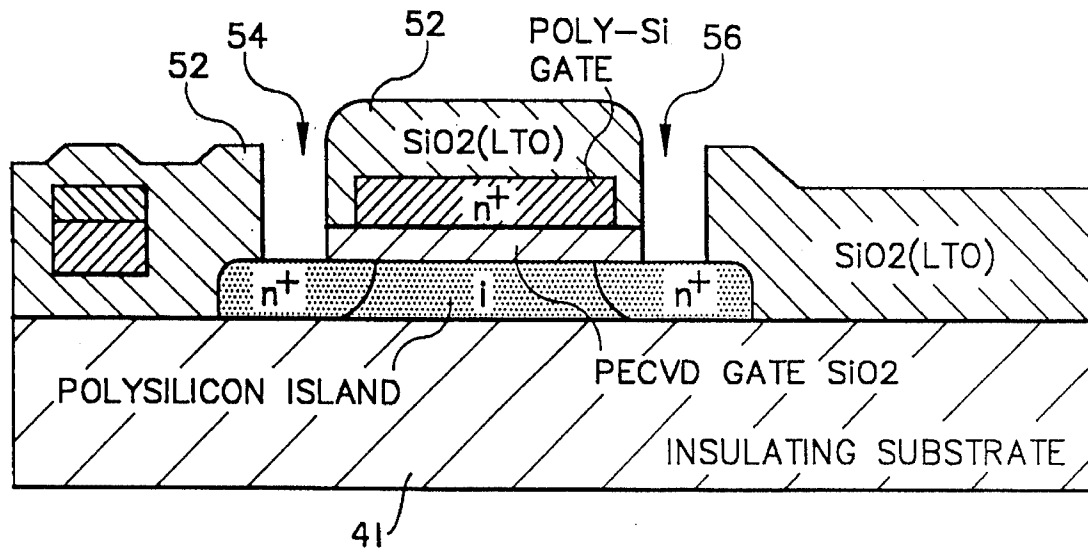


FIG. 5

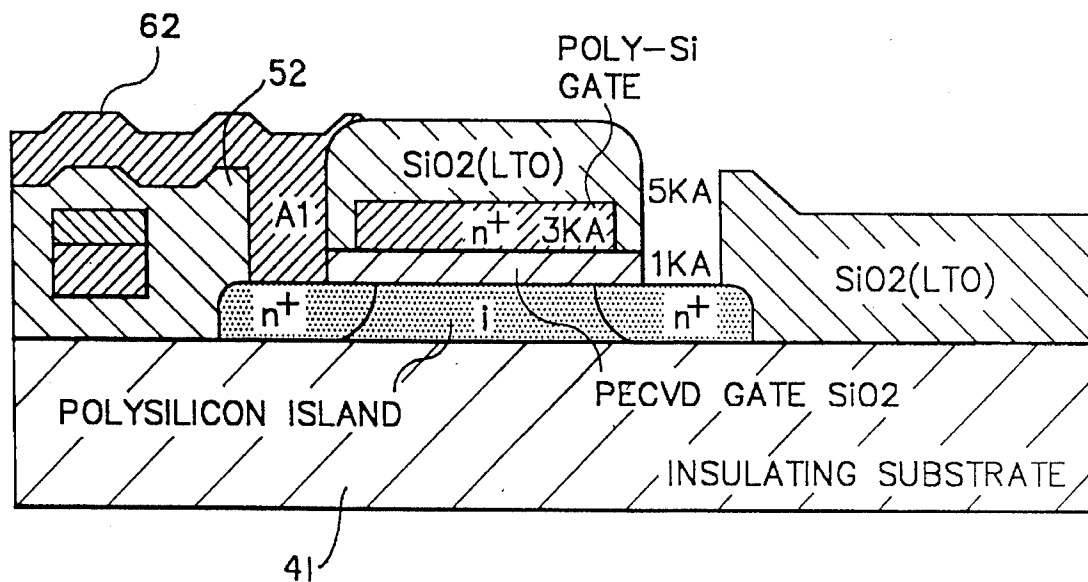


FIG. 6

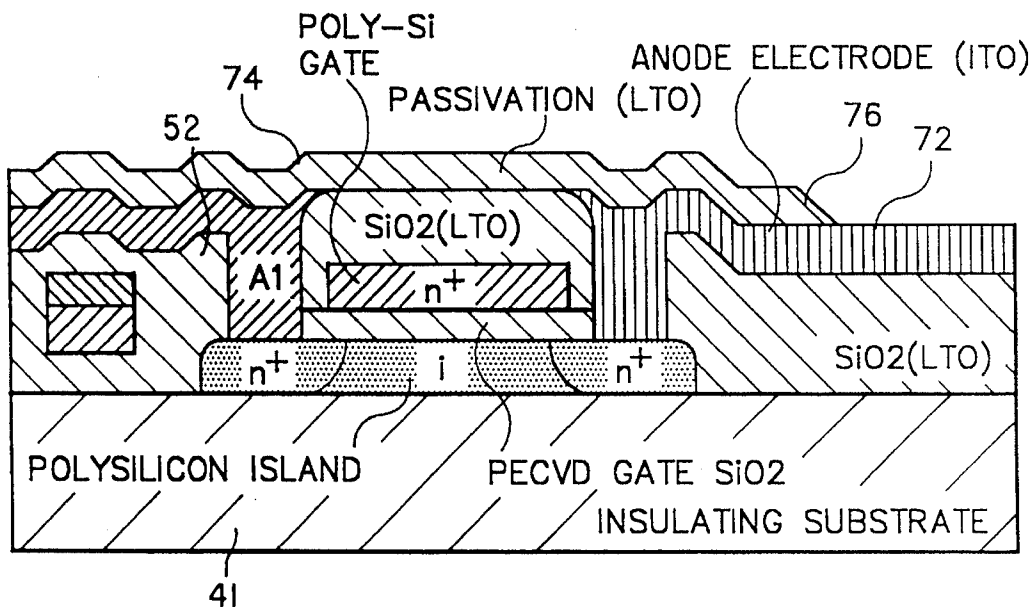


FIG. 7

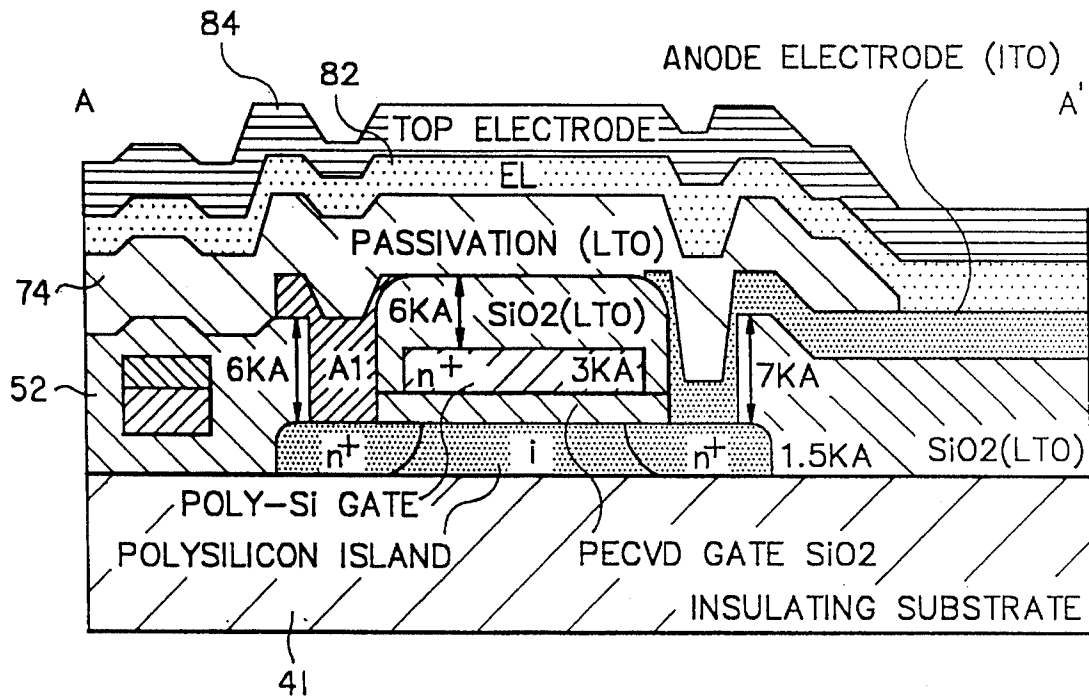


FIG. 8

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