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[54] **FIELD-EFFECT TRANSISTOR HAVING A SEMICONDUCTOR LAYER MADE OF AN ORGANIC COMPOUND**

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[58] **Field of Search** 257/40, 347, 642, 257/59, 72; 359/59

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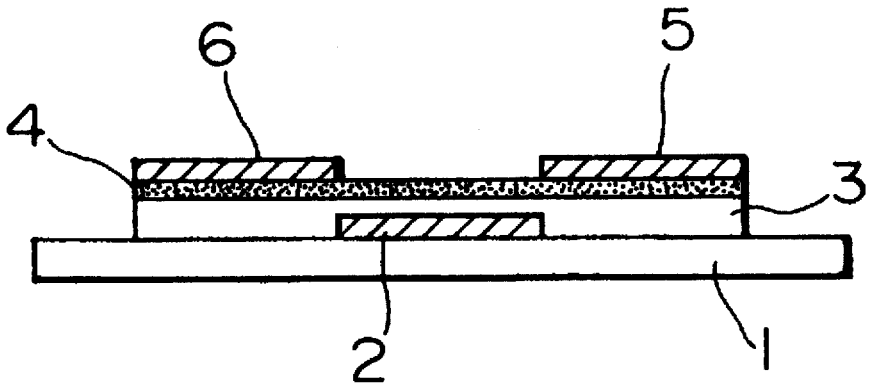
[57] **ABSTRACT**

A field-effect transistor using a conjugated oligomer having an ionization potential of 4.8 eV or above in the semiconductor layer thereof works stably and has a long life-time and can be used in a liquid crystal display device as a switching element to give excellent contrast and good performances.

18 Claims, 5 Drawing Sheets