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**Lussey et al.**

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(54) **FLEXIBLE SWITCHING DEVICES**

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***H01C 7/00*** (2006.01)

(52) **U.S. Cl.** ..... **338/13**; 338/47; 219/545; 428/327

(58) **Field of Classification Search** ..... 338/13, 338/47, 99, 101, 114; 73/862.68, 774; 219/529, 219/545; 428/327, 330; 235/462.44; 29/846
See application file for complete search history.

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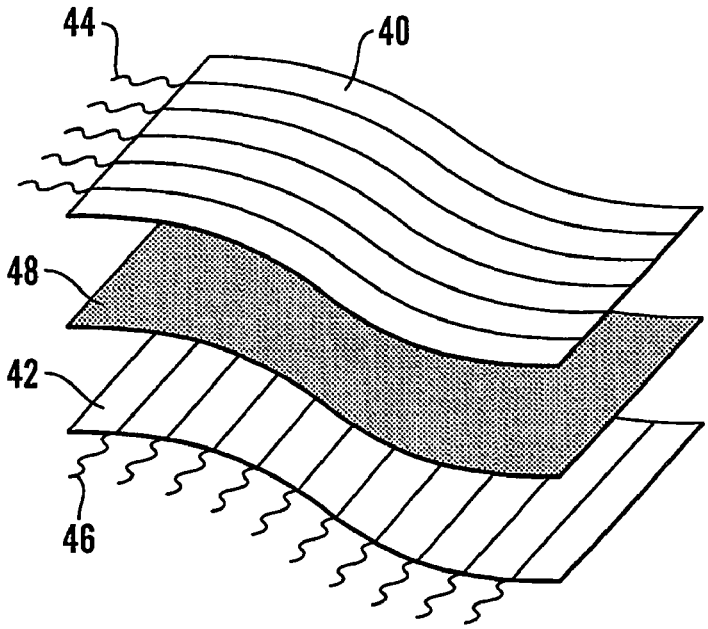
(57) **ABSTRACT**

An electronic resistor user interface comprises flexible conductive materials and a flexible variably resistive element capable of exhibiting a change in electrical resistance on mechanical deformation and is characterised by textile-form electrodes (**10**,**12**), a textile form variably resistive element (**14**) and textile-form members (**16**) connective to external circuitry.

**17 Claims, 2 Drawing Sheets**