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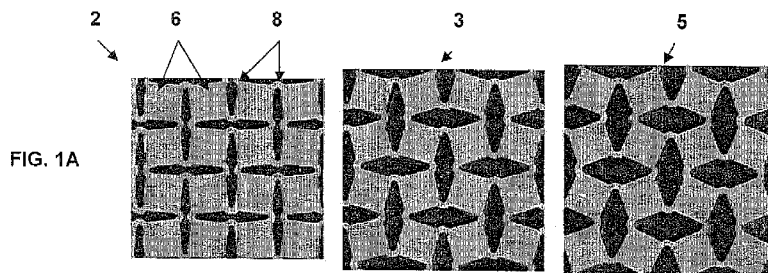
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(54) Title: STRUCTURED MATERIAL SUBSTRATES FOR FLEXIBLE, STRETCHABLE ELECTRONICS



(57) Abstract: A flexible and stretchable patterned substrate is provided having a strain-permitting material comprising a patterned conformation that allows the flexible patterned substrate to experience local strain or local strain domains lower than the macroscopic strain of the flexible and stretchable patterned substrate.



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## INTERNATIONAL SEARCH REPORT

International application No.  
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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H05K 1/02; H01L 21/20; H01R 4/00; H01R 12/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords: patterned substrate, stretchable, strain

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0286785 A1 (Rogers John A et al.) 21 December 2006 See the entire document.	1-20
A	US 6743982 B2 (BIEGELSEN DAVID KALMAN et al.) 01 June 2004 See the entire document.	1-20
A	US 2004-0192082 A1 (SIGURD WAGNER et al.) 30 September 2004 See the entire document.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Information on patent family members

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