

Title (en)
DIELECTRIC POLYMER ACTUATOR

Title (de)
DIELEKTRISCHES POLYMER-STELLGLIED

Title (fr)
ACTIVATEUR POLYMÈRE DIÉLECTRIQUE

Publication
EP 1902515 A1 20080326 (EN)

Application
EP 06752865 A 20060630

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Abstract (en)
[origin: WO2007003048A1] A dielectric polymer actuator comprising a first portion, a second portion, a dielectric polymer roll composed of at least two dielectric polymer sheets each having a negative side and a positive side and a positive electrode terminal electrically connected to the positive side of the dielectric polymer sheets and a negative electrode terminal electrically connected to the negative side of the dielectric polymer sheets. The dielectric polymer roll is positioned relative to the first and second portions such that, when a voltage is applied between the positive and negative electrode terminals, a size of the dielectric polymer roll increases and provides a displacement of the second portion with respect to the first portion.

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CPC (source: EP)
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Citation (search report)
See references of WO 2007003048A1

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