



## TECHNOLOGY

# Structure for Increasing the Speed of Electroactive Materials

## OVERVIEW

Researchers at the University of Maryland College Park have created a material structure that allows anisotropic electroactive materials, such as conjugated polymers, to switch more quickly between oxidized and reduced states. This finding has the potential to speed the response of other materials and devices such as gels and ionic polymer metal composites.

A wide range of devices could benefit from such an improvement including but not limited to electrochromic displays, ionic actuators, capacitors and batteries, chemical and biological sensors, and drug delivery materials.

U.S. and international patent applications are pending.  
See WO2005092605 06-10-2005

For additional information, contact the Office of Technology Commercialization, University of Maryland, 301-405-3947, or by e-mail: [otc@umd.edu](mailto:otc@umd.edu).

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## Additional Information

### INSTITUTION

University of Maryland, College Park

### PATENT STATUS

Patent(s) pending

### LICENSE STATUS

Contact OTC for licensing information

### CATEGORIES

- Chemical

## EXTERNAL RESOURCES

- [US Patent 8,383,226](#)

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