

Title (en)  
CROSSLINKABLE ELECTROACTIVE FLUORINATED POLYMERS COMPRISING PHOTOACTIVE GROUPS

Title (de)  
VERNETZBARE ELEKTROAKTIVE FLUORIERTE POLYMERE MIT FOTOAKTIVEN GRUPPEN

Title (fr)  
POLYMÈRES FLUORÉS ÉLECTROACTIFS RÉTICULABLES COMPRENANT DES GROUPEMENTS PHOTOACTIFS

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Application  
**EP 19845701 A 20191216**

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Abstract (en)  
[origin: WO2020128265A1] The invention relates to a copolymer comprising units derived from fluorinated monomers of formula (I): (I) CX<sub>1</sub>X<sub>2</sub>=CX<sub>3</sub>X<sub>4</sub>, in which X<sub>1</sub>, X<sub>2</sub>, X<sub>3</sub> and X<sub>4</sub> are each independently chosen from H, F and alkyl groups comprising from 1 to 3 carbon atoms which are optionally partially or completely fluorinated, the H and/or F atoms of the fluorinated monomers being partially replaced by photoactive groups of formula -Y-Ar-R, in the copolymer; Y representing an oxygen atom, or an NH group, or a sulphur atom, Ar representing an aryl group, preferably a phenyl group, and R being a monodentate or bidentate group comprising from 1 to 30 carbon atoms. The fluorinated monomers of formula (I) of the copolymer comprise vinylidene fluoride and trifluoroethylene. The present invention also relates to a method for preparing said copolymer, a composition comprising said copolymer, and to a film obtained from said copolymer.

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CPC (source: EP KR US)  
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