

Title (en)

FABRICATION OF ALIGNED LIQUID CRYSTAL CELL/FILM BY SIMULTANEOUS ALIGNMENT AND PHASE SEPARATION

Title (de)

HERSTELLUNG EINES AUSGERICHTETEN FLÜSSIGKRISTALLINEN FILMS MITTELS EINES SIMULTANEN PHOTOORIENTIERUNGS UND PHASENTRENNUNGSVERFAHRENS

Title (fr)

FABRICATION D'UNE CELLULE ET D'UN FILM A CRISTAUX LIQUIDES ALIGNES PAR ALIGNEMENT SIMULTANE ET SEPARATION DE PHASE

Publication

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Application

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Priority

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- US 15243099 P 19990903

Abstract (en)

[origin: WO0118594A2] A method for simultaneously fabricating a phase separated organic film and microstructures with liquid crystal having desired alignment is disclosed. The method includes the step of preparing a mixture of liquid crystal material, prepolymer, and polarization-sensitive material. The mixture is disposed on a substrate and a combination of UV or visible light or heat treatment is applied while simultaneously inducing phase separation so as to form a layer or microstructure of appropriately aligned liquid crystal material adjacent the substrate.

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IPC 8 full level

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