

Title (en)

Method of making a color filter array element

Title (de)

Verfahren zur Herstellung eines Elementes mit einer Farbfilteranordnung

Title (fr)

Procédé de fabrication d'élément de filtre-réseau coloré

Publication

EP 0760487 A1 19970305 (EN)

Application

EP 96420279 A 19960822

Priority

- US 295295 P 19950830
- US 63328396 A 19960416

Abstract (en)

A method of preparing a color filter array element comprising the following steps: a) coating a glass support with a polymeric dye image-receiving layer; b) coating the polymeric dye image-receiving layer with at least one additive primary color dye from a solvent that does not swell or penetrate the polymeric dye image-receiving layer; c) placing a stencil mask of a desired pixel shape in intimate contact with the surface of the polymeric dye image-receiving layer; d) fusing the dye into the polymeric dye image-receiving layer by heating or by using a solvent vapor treatment using a solvent which will swell or penetrate the dye image-receiving layer; e) removing the stencil mask; f) removing all unfused dye with a solvent wash; and g) repeating steps b) to f) twice using different additive primary color dyes.

IPC 1-7

G02B 5/20; **G02F 1/1335**; **G03C 7/12**

IPC 8 full level

B41M 1/12 (2006.01); **G02B 5/20** (2006.01)

CPC (source: EP)

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Citation (search report)

- [DA] EP 0481548 A1 19920422 - PHILIPS NV [NL], et al
- [A] US 4965242 A 19901023 - DEBOER CHARLES D [US], et al
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DE FR GB

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