

Title (en)

EFFICIENT COLOR DISPLAY USING NON-ABSORBING COLOR FILTERS

Title (de)

EFFIZIENTE FARBANZEIGE MITTELS NICHTABSORBIERENDER FARBFILTER

Title (fr)

AFFICHAGE EFFICACE DES COULEURS AU MOYEN DE FILTRES COULEUR NON ABSORBANTS

Publication

EP 1088215 A1 20010404 (EN)

Application

EP 99916406 A 19990401

Priority

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Abstract (en)

[origin: WO9961897A1] A display system having a non-absorbing and reflective color filtering array and a reflector to improve light utilization efficiency. One implementation of the color filtering array uses a surface plasmon filter having two symmetric metaldielectric interfaces coupled with each other to produce a transmission optical wave at a surface plasmon resonance wavelength at one interface from a p-polarized input beam on the other interface. Another implementation of the color filtering array uses a metal-film interference filter having two dielectric layers (320) and three metallic films (310a, b).

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IPC 8 full level

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CPC (source: EP)

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