

Title (en)

Exposure mask for producing color filter, and method and apparatus for producing color filter

Title (de)

Belichtungsmaske zur Herstellung von Farbfiltern und Verfahren und Vorrichtung zur Herstellung von Farbfiltern

Title (fr)

Masque à l'exposition pour la production de filtres colorés et méthode et dispositif de production de filtres colorés

Publication

EP 0849631 B1 20021106 (EN)

Application

EP 97310230 A 19971217

Priority

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Abstract (en)

[origin: EP0849631A1] A color filter (49, 55) has blue, green and red pixel patterns (50-52, 56-58) and a black matrix (53, 59). To produce the color filter from silver halide photosensitive film (10), an exposure mask (22, 83) is used. The exposure mask includes a first group (40, 90) of light-transmitting slits adapted to exposure of the blue pixel pattern. A second group (41, 91) of light-transmitting slits are adapted to exposure of the green pixel pattern. A third group (42, 92) of light-transmitting slits are adapted to exposure of the red pixel pattern. A fourth group (43, 93) of light-transmitting slits are adapted to exposure of the black matrix. First to third auxiliary filters (36, 45-47) respectively cover the first to third groups of the light-transmitting slits. <IMAGE>

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