

Title (en)
INFRARED INTERFERENCE FILTER

Title (de)
INFRAROTES INTERFERENZFILTER

Title (fr)
FILTRE INTERFERENTIEL INFRAROUGE

Publication
EP 1060416 A1 20001220 (EN)

Application
EP 99904378 A 19990128

Priority
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Abstract (en)
[origin: WO9939224A1] An optical filter including a dielectric reflective layer capable of reflecting a predetermined proportion of light in a specific wavelength region while transmitting a predetermined proportion of light in the visible region. The dielectric reflective layer includes a first set of dielectric reflective layer units, constituted by a plurality of layers each formed of a first polymer, in combination with a second set of dielectric reflective layer units constituted by a plurality of layers each formed of a second polymer having a refractive index different from the first polymer, the first and second sets of dielectric reflective layer units being combined by alternately stacking the first polymer layers and second polymer layers, the dielectric reflective layer having a reflectance of not less than 70 % of the light to be reflected and a transmittance of not less than 60 % of light in the three primary color regions of the visible spectrum, including a blue region (wavelength; 430-490 nm), a green region (wavelength; 515-575 nm), and a red region (wavelength; 580-640 nm).

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G02B 5/28

IPC 8 full level
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WO 9939224 A1 19990805; AU 2478499 A 19990816; CN 1222787 C 20051012; CN 1289413 A 20010328; CN 1721891 A 20060118;
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