

Subwavelength Efficient Polarization Filter (SWEP Filter)

Disclosure Number

200100932

Technology Summary

A new class of optical polarization sensitive filters based on subwavelength periodic structures is described. The filters can be polarization sensitive over an entire band of color, e.g., red band, green band or blue band, wavelengths. By polarization sensitive is meant that one polarization (say p-pol) of incident light is highly transmissive, while the other polarization (s-polarized light) is highly reflective.

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