

Title (en)
OPTICAL WAVELENGTH FILTERING STRUCTURE AND ASSOCIATED IMAGE SENSOR

Title (de)
OPTISCHE WELLENLÄNGENFILTERSTRUKTUR UND ASSOZIIERTER BILDSENSOR

Title (fr)
STRUCTURE DE FILTRAGE OPTIQUE EN LONGUEUR D'ONDE ET CAPTEUR D'IMAGES ASSOCIÉ

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Application
EP 09736973 A 20091020

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• EP 2009063750 W 20091020
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Abstract (en)
[origin: WO2010046369A1] The invention relates to an optical filtering structure made up of at least two adjacent elementary optical filters, one elementary optical filter being centred on an optimum transmission frequency, characterized in that it comprises a stack of n metal layers (m1-m3) and n-1 dielectric layers (d2-d3), each metal layer alternating with a dielectric layer in such a way that the central layer of the stack is a metal layer (m2), each of the layers of the stack having a constant thickness with the exception of the central metal layer, the variable thickness of which sets the optimum transmission frequency of an elementary filter. Application to miniature image sensors.

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Citation (search report)
See references of WO 2010046369A1

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