

Title (en)

COLOR FILTER INTEGRATED WITH SENSOR ARRAY FOR FLAT PANEL DISPLAY

Title (de)

MIT EINEM SENSORARRAY INTEGRIERTES FARBFILTER FÜR EIN FLACH-DISPLAY

Title (fr)

FILTRE COLORE EQUIPE D'UN RESEAU DE CAPTEURS POUR UN AFFICHAGE A ECRAN PLAT

Publication

**EP 1743321 A2 20070117 (EN)**

Application

**EP 05737632 A 20050406**

Priority

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- US 84119804 A 20040506
- US 87234404 A 20040617

Abstract (en)

[origin: WO2005101367A2] The embodiments of the present invention provide a color filter integrated with a sensor array and methods of fabricating the same. By integrating the sensor array with the color filter, the overall cost of the display is reduced. Moreover, the integration allows the sensor array to be used like a touch screen for data input. As a further benefit, the integration allows the color filter to serve as a light shield thus eliminating the need for a separate light shield for the sensor array.

IPC 8 full level

**G09G 5/00** (2006.01)

CPC (source: EP KR)

**G02B 5/20** (2013.01 - KR); **G02F 1/1335** (2013.01 - KR); **G09G 3/2011** (2013.01 - EP); **G09G 3/3225** (2013.01 - EP); **G09G 5/00** (2013.01 - KR); **G09G 3/3291** (2013.01 - EP); **G09G 2300/0809** (2013.01 - EP); **G09G 2300/0814** (2013.01 - EP); **G09G 2310/0259** (2013.01 - EP); **G09G 2310/0267** (2013.01 - EP); **G09G 2310/0275** (2013.01 - EP); **G09G 2320/0209** (2013.01 - EP); **G09G 2320/0276** (2013.01 - EP); **G09G 2320/0693** (2013.01 - EP); **G09G 2360/148** (2013.01 - EP)

Citation (search report)

See references of WO 2005101367A2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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