

Title (en)

THIN, UNIFORM ELECTRO-OPTIC DISPLAY.

Title (de)

ELEKTRO-OPTISCHE ANZEIGEVORRICHTUNG VON GLEICHMÄSSIGER NIEDRIGER DICKE.

Title (fr)

AFFICHAGE ELECTRO-OPTIQUE MINCE ET UNIFORME.

Publication

**EP 0213184 A1 19870311 (EN)**

Application

**EP 86901650 A 19860218**

Priority

US 70841085 A 19850305

Abstract (en)

[origin: WO8605283A1] A liquid crystal display in which the cell has a uniform thickness of the order of 1  $\mu$  m. The uniform thickness of the cell is controlled by means of an array of pillars (14) located between the electrodes on the glass back plate (10). The pillars comprise a material (e.g., polyimide) which adheres to both plates, thus reducing the tendency of the plates to bow.

Abstract (fr)

Dans un affichage à cristaux liquides, la cellule a une épaisseur uniforme de l'ordre d'1  $\mu$ m. L'épaisseur uniforme de la cellule est maintenue par une rangée de piliers (14) situés entre les électrodes, sur la contre-plaque en verre (10). Les piliers sont composés d'un matériau (du polyimide par exemple) qui adhère aux deux plaques, en diminuant ainsi la tendance des plaques à se courber.

IPC 1-7

**G02F 1/133**

IPC 8 full level

**G02F 1/17** (2006.01); **G02F 1/1339** (2006.01); **G02F 1/15** (2006.01); **G02F 1/153** (2006.01)

CPC (source: EP KR)

**G02F 1/133** (2013.01 - KR); **G02F 1/13394** (2013.01 - EP); **G02F 1/13392** (2013.01 - EP)

Citation (search report)

See references of WO 8605283A1

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**WO 8605283 A1 19860912**; EP 0213184 A1 19870311; JP S62502147 A 19870820; KR 880700297 A 19880222

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