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(12) **United States Patent**  
**Stallinga et al.**

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(54) **LCD HAVING A COMPENSATOR DIRECTLY ON THE SUBSTRATE OF ADJACENT LC CELL HAVING PARTICULAR SUBPIXELS**

(52) **U.S. Cl.** ..... **349/76; 349/144**  
(58) **Field of Search** ..... **349/117, 75, 144, 349/24, 74, 123, 76, 129**

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(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 127 days.

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(2), (4) **Date:** **Mar. 16, 2001**

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(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

In a normally black double cell, grey scale enhancement is obtained by dividing pixels in the driving cell into sub-pixels which are rotated preferably through 180° with respect to each other.

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**5 Claims, 5 Drawing Sheets**

