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**Nakanishi**

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(54) **LIQUID CRYSTAL DISPLAY DEVICE**

(56) **References Cited**

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(57) **ABSTRACT**

(65) **Prior Publication Data**

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This liquid crystal display device (100) includes: a vertical alignment liquid crystal layer (3); a pixel electrode (11) and a counter electrode (21) arranged on first and second substrates (1, 2), respectively, to front on the liquid crystal layer; and first and second alignment films (12, 22). Each pixel region (10) includes first, second, third and fourth liquid crystal domains (A, B, C, D) in which liquid crystal molecules (3a) are tilted in first, second, third and fourth predetermined directions, respectively, which are defined so that an angle formed between any two of them is approximately equal to an integral multiple of 90 degrees. The first liquid crystal domain is located close to at least a part of edges of the pixel electrode, which includes a first edge portion (EG1) where an azimuthal direction (e1) perpendicular to the part and pointing toward the inside of the pixel electrode defines an angle greater than 90 degrees to the first direction. The first substrate includes a first rib (14) which is arranged in a region corresponding to the first edge portion and under the pixel electrode.

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See application file for complete search history.

**14 Claims, 16 Drawing Sheets**

