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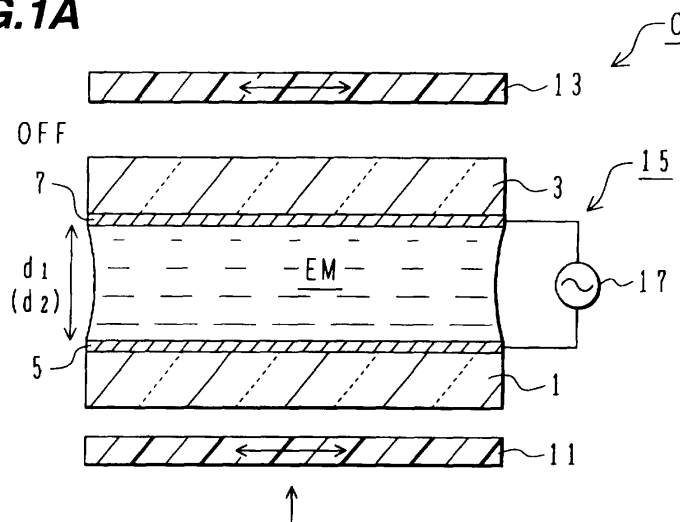
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(54) **Twist-nematic liquid-crystal display**

(57) A twist-nematic liquid crystal display includes a first substrate and a second substrate disposed to oppose to the first substrate with distance d_1 therebetween, either one of the first and second substrates being a transparent substrate; a plurality of pixel electrodes formed on either one of a surface of the first substrate and a surface of the second substrate, said surfaces opposing to each other; a common electrode formed on other one of the surfaces respectively of the first and second substrates, a voltage applying unit for applying a voltage between the pixel electrodes and the

common electrode, twist-nematic liquid crystal sandwiched between the first and second substrates, molecules of the liquid crystal respectively having long axes continuously twisted between the first and second substrates. When the twist-nematic liquid crystal has a birefringence index (retardation) of Δn , $\Delta n \times d_1 > 2 \mu\text{m}$ is satisfied, where d_1 is expressed in micrometers. This provides a liquid crystal display in which transmittivity in a base section in which pixel electrodes are not disposed is almost equal to transmittivity in a non-selected section in which pixel electrodes are disposed.

FIG. 1A





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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			G02F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 March 2003	Examiner Gill, R
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 00 12 5234

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	扭转向列液晶显示器		
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其他公开文献	EP1102112A2		
外部链接	Espacenet		

摘要(译)

一种扭转向列液晶显示器，包括第一基板和第二基板，第一基板和第二基板设置成与第一基板相对，其间具有距离 d_1 ，第一基板和第二基板中的任一个是透明基板；多个像素电极，形成在第一基板的表面和第二基板的表面中的任一个上，所述表面彼此相对；形成在第一和第二基板的另一个表面上的公共电极，用于在像素电极和公共电极之间施加电压的电压施加单元，夹在第一和第二基板之间的扭曲向列液晶，分子分别具有在第一和第二基板之间连续扭曲的长轴的液晶。当扭转 - 向列液晶具有 Δn 的双折射率（延迟）时，满足 $\Delta n \times d_1 > 2\mu m$ ，其中 d_1 以微米表示。这提供了一种液晶显示器，其中未设置像素电极的基部中的透射率几乎等于设置有像素电极的非选择部分中的透射率。

FIG. 1A

