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(51) INT CL⁶

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(56) Documents Cited

GB 2186562 A

**Patent Abstracts of Japan, Section P-832, Vol. 13, No.
80 page 548&JP63262602**

(58) Field of Search

UK CL (Edition N) G2F FCT

INT CL⁶ G02F 1/1337

ONLINE:EDOC WPI CLAIMS JAPIO

(54) **Liquid crystal alignment**

(57) A ferroelectric (chiral smectic) liquid crystal is aligned by means of a profiled grating surface. The grating may be a monograting or a bigrating and may be symmetric or asymmetric. Such profiling enables the surface tilt and the anchoring energy to be independently determined. The grating may be formed by interferography, photolithography, embossing, ruling or carrier layer transfer.

At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

This print takes account of replacement documents submitted after the date of filing to enable the application to comply with the formal requirements of the Patents Rules 1990.

GB 2 286 894 A