

Title (en)  
OUT-OF-PLANE BIREFRINGENCE MEASUREMENT

Title (de)  
AUSSEREBENEN-DOPPELBRECHUNGSMESSUNG

Title (fr)  
MESURE DE BIREFRINGENCE HORS PLAN

Publication  
**EP 1573287 A4 20091111 (EN)**

Application  
**EP 03799977 A 20031219**

Priority  

- US 0340366 W 20031219
- US 43558802 P 20021220
- US 36400603 A 20030210
- US 49283803 P 20030806

Abstract (en)  
[origin: WO2004059266A2] The disclosure is directed to precise measurement of out-of-plane birefringence properties of samples of transparent optical material. Two angled-apart light beams are passed through a selected location of a sample optical element. One of the beams is incident to the sample surface. The characteristics of the beams are detected after passing through the sample, and the information detected is processed to determine the out-of-plane birefringence.

IPC 1-7  
**G01J 4/00; G01N 21/00**

IPC 8 full level  
**G01N 21/23** (2006.01)

CPC (source: EP KR)  
**G01J 4/00** (2013.01 - KR); **G01N 21/00** (2013.01 - KR); **G01N 21/23** (2013.01 - EP)

Citation (search report)  

- [X] DE 3106818 A1 19820909 - BASF AG [DE]
- [A] RICHARD S STEIN: "Measurement of Birefringence of Biaxially Oriented Films", JOURNAL OF POLYMER SCIENCE, INTERSCIENCE PUBLISHERS, XX, vol. 24, 1 January 1957 (1957-01-01), pages 383 - 386, XP007910024
- See references of WO 2004059266A2

Citation (examination)  
US 5864403 A 19990126 - AJJI ABDELLAH [CA], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004059266 A2 20040715; WO 2004059266 A3 20041021**; AU 2003299695 A1 20040722; AU 2003299695 A8 20040722; CN 1739007 A 20060222; CN 1739007 B 20130619; EP 1573287 A2 20050914; EP 1573287 A4 20091111; JP 2006511823 A 20060406; JP 4657105 B2 20110323; KR 20050093790 A 20050923

DOCDB simple family (application)  
**US 0340366 W 20031219**; AU 2003299695 A 20031219; CN 200380108882 A 20031219; EP 03799977 A 20031219; JP 2005510008 A 20031219; KR 20057011535 A 20050620