

Title (en)  
LINER FOR SHUTTER SHELL

Title (de)  
GLEITBLATT FÜR VERSCHLUSS-SCHALE

Title (fr)  
DOUBLURE POUR DOUILLE DE VOLET

Publication  
**EP 1031154 A1 20000830 (EN)**

Application  
**EP 98956333 A 19981029**

Priority  
• US 9822979 W 19981029  
• US 96823397 A 19971112

Abstract (en)  
[origin: WO9924983A1] A thin liner is attached to the disk cartridge shutter. The first layer encases the disk media. In a cartridge having an interior shutter, the shutter lies in a plane directly above the rotating media. To ensure a more reliable cartridge, a liner is attached directly to an interior surface of the shutter.

IPC 1-7  
**G11B 23/03**; **G11B 23/033**

IPC 8 full level  
**G11B 23/03** (2006.01); **G11B 23/033** (2006.01)

CPC (source: EP)  
**G11B 23/0308** (2013.01); **G11B 23/0332** (2013.01)

Citation (search report)  
See references of WO 9924983A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9924983 A1 19990520**; EP 1031154 A1 20000830; TW 411445 B 20001111

DOCDB simple family (application)  
**US 9822979 W 19981029**; EP 98956333 A 19981029; TW 87118226 A 19981102