

Title (en)

PHASE CHANGE-TYPE OPTICAL RECORDING MEDIUM AND PROCESS FOR MANUFACTURING THE SAME

Title (de)

OPTISCHES AUFZEICHNUNGSMEDIUM VOM PHASENWECHSEL-TYP UND VERFAHREN ZUR SEINER HERSTELLUNG

Title (fr)

SUPPORT D'ENREGISTREMENT OPTIQUE DE TYPE A CHANGEMENT DE PHASE, ET PROCEDE DE FABRICATION DE CE DERNIER

Publication

EP 1145234 A1 20011017 (EN)

Application

EP 99961386 A 19991224

Priority

- JP 9907300 W 19991224
- JP 36981098 A 19981225

Abstract (en)

[origin: WO0039794A1] A phase change-type optical recording medium in which recording of information is made utilizing phase change by light, comprising: a substrate; a first dielectric layer on said substrate; a phase change-type optical recording layer made of GeSbTe wherein the molar ratio of Sb:Te is less than 0.6 on said first dielectric layer; a second dielectric layer on said phase change-type optical recording layer; and a reflective layer either on the second dielectric layer or between said substrate and said first dielectric layer; wherein an intermediate layer is further disposed between said first dielectric layer and said phase change-type optical recording layer and/or between said phase change-type optical recording layer and said second dielectric layer, said intermediate layer being a single layer of Sb₂Te₃ or GeTe or a laminate layer of Sb₂Te₃ and GeTe, said intermediate layer being in direct contact with said phase change-type optical recording layer.

IPC 1-7

G11B 7/24

IPC 8 full level

B41M 5/26 (2006.01); **G11B 7/243** (2013.01); **G11B 7/2433** (2013.01); **G11B 7/2437** (2013.01); **G11B 7/26** (2006.01)

CPC (source: EP KR)

G11B 7/00454 (2013.01 - KR); **G11B 7/2433** (2013.01 - KR); **G11B 7/252** (2013.01 - EP); **G11B 7/26** (2013.01 - EP); **G11B 7/266** (2013.01 - KR); **G11B 7/2531** (2013.01 - EP); **G11B 7/2533** (2013.01 - EP); **G11B 7/2534** (2013.01 - EP); **G11B 7/256** (2013.01 - EP); **G11B 7/2585** (2013.01 - EP); **G11B 2007/24312** (2013.01 - EP); **G11B 2007/24314** (2013.01 - EP); **G11B 2007/24316** (2013.01 - EP); **G11B 2007/25304** (2013.01 - KR); **G11B 2007/25705** (2013.01 - KR); **G11B 2007/25706** (2013.01 - EP); **G11B 2007/2571** (2013.01 - EP); **G11B 2007/25713** (2013.01 - EP); **G11B 2007/25715** (2013.01 - EP); **G11B 2007/25716** (2013.01 - EP); **G11B 2007/2581** (2013.01 - KR)

Citation (search report)

See references of WO 0039794A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0039794 A1 20000706; AU 1801200 A 20000731; CA 2355654 A1 20000706; CN 1338099 A 20020227; EP 1145234 A1 20011017; JP 2000195110 A 20000714; KR 20010099945 A 20011109; TW 459224 B 20011011

DOCDB simple family (application)

JP 9907300 W 19991224; AU 1801200 A 19991224; CA 2355654 A 19991224; CN 99816371 A 19991224; EP 99961386 A 19991224; JP 36981098 A 19981225; KR 20017008105 A 20010623; TW 88122809 A 19991223