

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 Sb<sub>2</sub>Te<sub>3</sub> or GeTe or a laminate layer of Sb<sub>2</sub>Te<sub>3</sub> 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

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CPC (source: EP KR)

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Citation (search report)

See references of WO 0039794A1

Designated contracting state (EPC)

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