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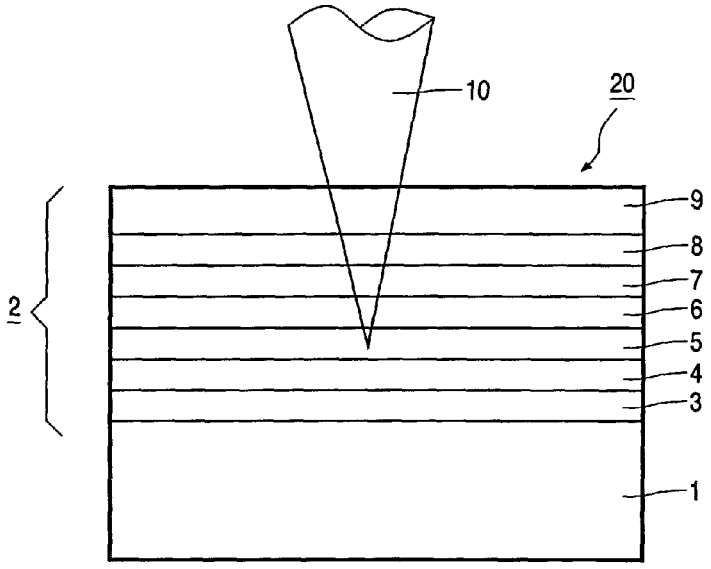
(54) Title: OPTICAL INFORMATION MEDIUM AND ITS USE



(57) Abstract: An optical information medium (20) for erasable recording by means of a laser-light beam (10) is provided. A substrate (1) holds a stack (2) of layers with a phase-change recording layer (5) between a first dielectric layer (4) and a second dielectric layer (6). A light-absorptive layer (7) is present proximate the recording layer (5) and is made of a compound of the formula QRx, in which Q is the element Si, Ge, Ti, Zr, Hf, Nb or Ta, R is the element O or N, and $0 < x = 2.5$, in order to achieve that $0.8 < Ac/Aa < 1.50$, in which Ac and Aa are the respective quantities of laser-light absorbed in the recording layer (5) in the crystalline state and the amorphous state at a laser-light wavelength selected from a range of 350-450 nm. Thus high data rates and low data jitters are achieved at this short wavelength range by tuning x to an optimal value during manufacture of the optical information medium.

WO 02/49016 A1