

MAGNETIC RECORDING MEDIA

5

Abstract of the Disclosure

A magnetic recording medium is provided. The magnetic recording medium includes a magnetic recording layer and a substrate to support the magnetic recording layer, wherein the magnetic recording layer is composed of a porous
10 crystal isolating membrane capable of isolating magnetically and physically crystals by micropores. A transition metal element selected from Co, Fe, Ni, Cr, Pt, Pd, Ti, Ta, Ru, Si, Al, Nb, B, Nd, Sm, and Pr or an alloy thereof is impregnated into the pores. The magnetic recording medium has superior thermal stability and S/N characteristic.

15

Figure 3