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(71) Applicant (for all designated States except US): **SHOWA DENKO K.K.** [JP/JP]; 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 105-8518 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **SHIMIZU, Kenji** [JP/JP]; Showa Denko HD K.K., 5-1, Yawata Kaigan dori, Ichihara-shi, Chiba 290-0067 (JP).

(74) Agents: **FUKUDA, Kenzo** et al.; Kashiwaya Building, 6-13, Nishishinbashi 1-chome, Minato-ku, Tokyo 105-0003 (JP).

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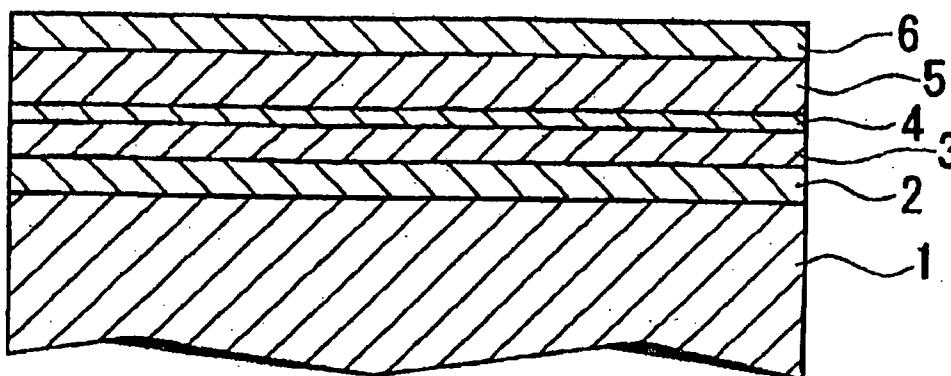
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(54) Title: MAGNETIC RECORDING MEDIUM, METHOD FOR PRODUCTION THEREOF AND MAGNETIC RECORDING AND REPRODUCING DEVICE USING THE MEDIUM



(57) Abstract: A magnetic recording medium includes at least a soft under layer, a perpendicular magnetic recording film and a protective film that are stacked on a nonmagnetic substrate. The nonmagnetic substrate is a disk of silicon having a diameter of 48 mm or less. A method for the production of the magnetic recording medium includes exerting a bias onto the silicon substrate when forming the protective film. A magnetic recording medium can be produced using the method. A magnetic recording and reproducing device can be produced using the magnetic recording medium and a magnetic head for recording and reproducing information in the magnetic recording medium. The magnetic head is a magnetic monopole head.

WO 2005/120176 A2