

Fe-Pt-BASED SINTERED COMPACT SPUTTERING TARGET
AND MANUFACTURING METHOD THEREFOR

ABSTRACT

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An Fe-Pt-based sintered compact sputtering target containing BN, wherein a ratio of an X-ray diffraction peak intensity of a hexagonal BN (002) plane in a cross section that is perpendicular to a sputtering surface relative to an X-ray diffraction peak intensity of a hexagonal BN (002) plane in a plane that is horizontal to a sputtering surface is 2 or more. The present invention aims to provide a sputtering target which enables the production of a magnetic thin film in a thermally assisted magnetic recording media, and the reduction of particles that are generated during sputtering.

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Fig. 1