

SINTERED COMPACT SPUTTERING TARGET

ABSTRACT

5 Provided is a sintered compact sputtering target comprising an alloy having a composition comprising 25 mol% to 40 mol% of Cr with the remainder being Co, and a non-metal material dispersed in the alloy, wherein the intensity ratio of the X-ray diffraction peak intensity of σ phases in the Co-Cr alloy relative to that of the main X-ray diffraction peak is 0.02 or less. The present invention can provide stable
10 sputtering by enhancing the mechanical strength of a target to control cracking of the target during sputtering.

Fig. 1