

ABSTRACT

A Fe-Pt-C based sputtering target member that can suppress the generation of particles during sputtering is provided. A Fe-Pt-C based sputtering target member has a magnetic phase comprising Fe and Pt and a non-magnetic phase including C, wherein in an X-ray diffraction profile obtained by analyzing the sputtering target member by an X-ray diffraction method, the sputtering target member has a carbon-derived diffraction peak at a diffraction angle that satisfies $25.6^{\circ} \leq 2\theta \leq 26.2^{\circ}$.