

CLAIMS

~~[Claim 1] An Fe-based magnetic material sintered compact containing BN, wherein the Fe-based magnetic material sintered compact has an oxygen content of 4000 wtpm or less.~~

[Claim 2] The Fe-based magnetic material sintered compact according to claim 1, wherein Pt is contained in an amount of 5 mol% or more and 60 mol% or less, BN is contained in an amount of 1 mol% or more and 50 mol% or less, and remainder is Fe.

[Claim 3] The Fe-based magnetic material sintered compact according to claim 1 or claim 2, wherein C is further contained in an amount of 0.5 mol% or more and 40 mol% or less.

[Claim 4] The Fe-based magnetic material sintered compact according to any one of claims 1 to 3, wherein one or more elements selected from a group composed of B, Ru, Ag, Au, and Cu are contained as an additive element in an amount of 0.5 mol% or more and 10.0 mol% or less.

[Claim 5] The Fe-based magnetic material sintered compact according to any one of claims 1 to 4, wherein one or more inorganic materials selected from a group composed of oxide, nitride, carbide, and carbonitride are contained as an additive material.

CLAIMS

[Claim 1]

An Fe-based magnetic material sintered compact containing Pt in an amount of 5 mol% or more and 60 mol% or less, BN in an amount of 1 mol% or more and 50 mol% or less, and remainder being Fe, and having an oxygen content of 4000 wtppm or less.

[Claim 2]

The Fe-based magnetic material sintered compact according to claim 1, further containing C in an amount of 0.5 mol% or more and 40 mol% or less.

[Claim 3]

The Fe-based magnetic material sintered compact according to claim 1 or claim 2, wherein one or more elements selected from a group composed of B, Ru, Ag, Au, and Cu are contained as an additive element in an amount of 0.5 mol% or more and 10.0 mol% or less.

[Claim 4]

The Fe-based magnetic material sintered compact according to any one of claims 1 to 3, wherein one or more inorganic materials selected from a group composed of oxide, nitride, carbide, and carbonitride are contained as an additive material.