

Title:

MARAGING STEEL POWDER FOR ADDITIVE MANUFACTURING, MARAGING STEEL
ADDITIVE MANUFACTURING PRODUCT, AND METHOD FOR PRODUCING SAME

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Abstract

Provided is a maraging steel powder which allows an additive manufacturing product that has little deformation after manufacturing and exemplary thermal fatigue life characteristics to be obtained while reducing Co to the minimum. A maraging steel powder for additive manufacturing contains, in mass %, C: 0.02% or less, Si: 0.1 to 0.3%, Ni: 16 to 20%, Co: 0.1% or
10 less, Mo: 2.5 to 3.5%, Ti: 1.5 to 2.5%, Al: 0.01% or less, and the remainder: Fe and inevitable impurities, and a maraging steel additive manufacturing product contains C: 0.02% or less, Si: 0.1 to 0.3%, Ni: 16 to 20%, Co: 0.1% or less, Mo: 2.5 to 3.5%, Ti: 1.5 to 2.5%, Al: 0.01% or less, and the remainder: Fe and inevitable impurities.

15 FIG. 1