ABSTRACT

The present invention provides hot work tool steel powder for additive manufacturing, with which it is possible to manufacture an additively manufactured hot work tool steel object having particularly excellent crack resistance during manufacturing. Hot work tool steel powder for additive manufacturing and an additively manufactured hot work tool steel object contain, by mass%, $0.10\% \leqq C \leqq 0.40\%$, $0.01\% \leqq Si \leqq 0.19\%$, $0.1\% \leqq Mn \leqq 1.0\%$, $2.0\% \leqq Ni < 9.0\%$, $3.5\% < Cr < 4.5\%$, one or two of Mo and W according to a relationship formula (Mo + 1/2 W): $2.5\% \leqq (Mo + 1/2\ W) < 3.5\%$, $0.45\% \leqq V \leqq 1.0\%$, $0.3\% < Cu < 0.6\%$, $0.2\% \leqq Al \leqq 0.9\%$, with a remainder being Fe and unavoidable impurities, and satisfy formula (1): $C + Si/30 + (Mn + Cr + Cu)/20 + Ni/60 + (Mo + 1/2W)/15 + V/10 \leqq 0.95$.

FIG. 2