

METHOD FOR PREDICTING DEFECT OF ADDITIVE-MANUFACTURED PRODUCT
AND METHOD FOR MANUFACTURING ADDITIVE-MANUFACTURED PRODUCT

[ABSTRACT]

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Provided is a method for predicting a defect of an additive-manufactured product
manufactured by melting and solidifying metal powder, said method being characterized by
having: a luminance data acquisition step for acquiring luminance data on light emitted from a
molten pool formed when the metal power is melted and solidified; an evaluation data extraction
10 step for extracting evaluation data from the luminance data; and an evaluation step for
estimating the presence/absence of a defect of the additive-manufactured product by using the
evaluation data, wherein the evaluation data includes a luminance average value and a
luminance standard deviation.

15 FIG. 1