

Title (en)
METHOD AND SYSTEM FOR PREDICTING MATERIAL STRUCTURE

Title (de)
VERFAHREN UND SYSTEM ZUR VORHERSAGE VON MATERIALSTRUKTUREN

Title (fr)
PROCÉDÉ ET SYSTÈME DE PRÉDICTION DE STRUCTURE DE MATÉRIAU

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Application
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Abstract (en)
[origin: WO2014034964A2] According to one embodiment, a material structure prediction method of predicting a material structure which causes phase transformation from a parent phase to a new phase by nucleation resulting from a temperature change of a material is disclosed. The method can prearrange nucleation candidate nuclei in the material. The method can determine whether the nucleation has occurred in each of the prearranged nucleation candidate nuclei. In addition, the method can calculate time evolution of a structure of the new phase by regarding, as the new phase, the nucleation candidate nucleus for which it is determined that the nucleation has occurred.

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