

Title (en)

METHOD FOR PRODUCTION OF AN OXIDATION INHIBITING TITANIUM CASTING MOULD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER OXIDATIONSCHEMMENDEN TITANGUSSFORM

Title (fr)

PROCEDE DE PRODUCTION D'UN MOULE POUR TITANE COULE, PRESENTANT UNE PROPRIETE D'INHIBITION D'OXYDATION

Publication

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Application

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Abstract (en)

[origin: US6802358B2] A method for producing a lost mold for titanium casting from a curable embedding compound. The embedding compound contains at least one oxidizable ingredient, such as zirconium. A model of an object to be cast is prepared from a material which can be melted out of the embedding compound. A mold is shaped by embedding the model in the embedding compound. The mold is cured and the embedding compound melted out by heating and holding the mold at a maximum temperature for a period of time. The mold is actively cooled to reduce the cooling time. Preferred embedding compound compositions and time-temperature profiles are disclosed.

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