

Title (en)

MOLD, METHOD FOR MANUFACTURE OF THE MOLD, AND MOLDED ARTICLE USING THE MOLD

Title (de)

FORM, VERFAHREN ZUR HERSTELLUNG DER FORM UND UNTER VERWENDUNG DER FORM HERGESTELLTER FORMARTIKEL

Title (fr)

MOULE, PROCEDE DE FABRICATION DUDIT MOULE, ET ARTICLE MOULE OBTENU EN UTILISANT LEDIT MOULE

Publication

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Application

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Abstract (en)

The object of the present invention is to provide a mold which has low reactivity with molten alloys and which is inexpensive, a method for manufacturing the same and a molded article using the mold. A mold 40 in accordance with the present invention serves for manufacturing a molded article 60 of a titanium-aluminum alloy or a titanium alloy. At least an initial layer 44a of a cavity surface 43 of a mold body 41 constituting the mold 40 is formed of a calcined product of a slurry comprising a filler having cerium oxide as a main component and a binder having silica sol as a main component.

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