

Title (en)
SINTERED MATERIALS OF AUSTENITE STEEL POWDER AND TURBINE MEMBERS

Title (de)
GESINTERTE MATERIALIEN AUS AUSTENITSTAHPULVER UND TURBINENELEMENTE

Title (fr)
MATÉRIAUX FRITTÉS DE POUDRE D'ACIER AUSTÉNITIQUE ET ÉLÉMENTS DE TURBINE

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Application
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Abstract (en)
The present invention aims to provide sintered materials of austenite steel powder each having a strength which is equivalent to or in excess of the strength of a Ni-based alloy and insusceptible to oxygen and turbine members each being composed of each sintered material. There is provided the sintered material of austenite steel powder which contains 25 to 50% Ni; 12 to 25% Cr, 3 to 6% Nb; 0.001 to 0.05% B; not more than 1.6% Ti; not more than 6% W; not more than 4.8% Mo; and not more than 0.5% Zr in percentage by mass, with a balance made up of Fe and unavoidable impurities.

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Citation (search report)

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