

Title (en)

Sintered bodies of composite materials and their manufacture.

Title (de)

Gesinterte Formkörper aus Verbundwerkstoffen und ihre Herstellung.

Title (fr)

Objets frittés en matériaux composites et leur fabrication.

Publication

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Application

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Priority

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Abstract (en)

A body comprising a mixture of particulate materials is formed by mixing together aluminium and/or an aluminum alloy powder with a proportion of alumina powder, compacting and sintering the resultant mass, and reshaping the resultant mass under pressure after sintering. A body so formed possesses a high hot strength and, by the choice of appropriate proportions of the powdered materials is particularly suitable for forming the crown of an internal combustion engine piston. The invention also relates to the manufacture of such bodies and pistons.

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IPC 8 full level

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