

Title (en)
Composite powder metal compositions

Title (de)
Verbundmetallpulverzusammensetzung

Title (fr)
Composition de poudre métallique composite

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Abstract (en)
Metal powder compositions for producing a high-strength and high-density metal component by powder metallurgical techniques. A metal powder composition of the present invention comprises acicular metal particles (10) associated with a polymeric binder (25) or a combination of inorganic binders (35) and polymeric binders (25), such as by coating or mixing. When the powder composition is compacted by a powder metallurgical compaction technique, the resulting compact (40) has an improved density and an improved strength. The compact (40) can be used in applications such as a structural component or as a magnetic core component for AC or DC applications.

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Cited by
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