

Title (en)

Sintered acoustic and oscillation dampening material

Title (de)

Gesinterter schall- und schwingungsdämpfender Werkstoff

Title (fr)

Matière active frittée amortissant les oscillations et le son

Publication

EP 2147985 B1 20130911 (DE)

Application

EP 09009342 A 20090717

Priority

DE 102008034257 A 20080717

Abstract (en)

[origin: EP2147985A1] The sintered acoustic and vibration dampening substance comprises metal or metal alloy, which enables a carbide formation by chemical reaction, and carbon in the form of graphite, where the amount of the graphite is 50 vol.%. The portion of carbide contained in the substance is less than 35 vol.%. The substance has an E-module of 50 GPa and the product of the E-module has a value of 0.4 GPa with a geometrical-independent damping factor in an axial direction. The theoretical thickness of the substance is 80%. An independent claim is included for a method for preparing a substance.

IPC 8 full level

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CPC (source: EP)

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