

Title (en)

Process for the manufacture of a light metal cast part with good damping capacity characteristics

Title (de)

Verfahren zur Herstellung eines Gussbauteiles aus einem Leichtmetallwerkstoff mit erhöhtem Dämpfungsvermögen

Title (fr)

Procédé de fabrication d'une pièce coulée en métal léger possédant une capacité d'absorption des vibrations

Publication

EP 0902095 A3 19990623 (DE)

Application

EP 98109036 A 19980518

Priority

DE 19737601 A 19970828

Abstract (en)

[origin: EP0902095A2] The damping capacity of a cast light-metal component is increased using an additional element which is an alloy with high damping capacity, and takes the form of a wire fabric serving as a casting insert. The damping capacity is increased as a result of longitudinal elastic deformations which occur within the joint regions between the light-metal matrix and the heavy-metal wire when energy (in the form of sound or vibration) enters into the component.

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C22C 1/09

IPC 8 full level

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CPC (source: EP)

B22D 19/14 (2013.01); **B22D 25/06** (2013.01)

Citation (search report)

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