

Title (en)

Process for ultra-sonic treatment of regions of a metal wheel

Title (de)

Verfahren zur gezielten Behandlung von Bereichen eines aus Metall bestehenden Rades mit Ultraschall

Title (fr)

Procédé de traitement ultra-sonore de regions d'une roue de métal

Publication

EP 1234891 B1 20060118 (DE)

Application

EP 01104660 A 20010224

Priority

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Abstract (en)

[origin: EP1234891A1] Process for increasing the static and/or dynamic load of a molded metallic workpiece comprises subjecting the workpiece to ultrasound treatment using energy-rich ultrasound waves after molding. Preferred Features: The ultrasound waves have prescribed frequency and amplitude. The ultrasound treatment is carried out in a region of the workpiece which is subjected later to high loads. The workpiece is made from steel or an aluminum alloy. The workpiece is molded by casting, forging or pressing.

IPC 8 full level

C21D 10/00 (2006.01); **C22F 1/04** (2006.01); **C22F 3/00** (2006.01); **C21D 1/30** (2006.01); **C21D 7/00** (2006.01); **C21D 9/34** (2006.01)

CPC (source: EP)

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