Title (en)

DEVICE AND METHOD FOR TREATING A METAL PART

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BEHANDLUNG EINES METALLTEILS

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LE TRAITEMENT D'UNE PIECE METALLIQUE

Publication

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Application

EP 17838053 A 20171222

Priority

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- FR 2017053837 W 20171222

Abstract (en)

[origin: WO2018122523A1] The invention concerns a device (100) for treating a metal part (1) having an outer surface (1-1), comprising: - a chamber (11), - a vibration module (12) comprising: ▪ a generator (12-1) for generating an electric signal at ultrasonic frequency, ▪ a converter (12-2) for converting said electric signal into a mechanical vibration, said mechanical vibration being transmitted to a sonotrode (12-4), ▪ the sonotrode (12-4) positioned in said chamber facing the outer surface of the metal part, - projectiles (13) positioned inside the chamber for impacting against the outer surface of the metal part, said projectiles being moved by the vibration of the sonotrode and comprising a plurality of abrasive media which, when moved by the vibration of the sonotrode, introduce residual compressive stresses and improve the surface condition of the metal part.

IPC 8 full level

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