

Title (en)

METHOD AND DEVICE FOR IDENTIFYING CHARACTERISTICS OF THE SURFACE OF A WORKPIECE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR CHARAKTERISIERUNG EINER OBERFLÄCHE EINES WERKSTÜCKES

Title (fr)

PROCEDE ET DISPOSITIF POUR CARACTERISER UNE SURFACE D'UNE PIECE A USINER

Publication

EP 1875212 A1 20080109 (DE)

Application

EP 06792456 A 20060421

Priority

- EP 2006061749 W 20060421
- DE 102005018926 A 20050422

Abstract (en)

[origin: DE102005018926A1] The method involves producing an atmospheric plasma beam and directing the plasma beam onto a surface of a workpiece (56). The light produced in the plasma beam in the area of the surface is analyzed. Light intensity in a spectral range is determined as measure for the concentration of the material replaced from the surface by the impact of the plasma beam. The light intensity in one wavelength range is compared with another intensity. An independent claim is also included for a plasma nozzle for producing an atmospheric plasma beam with a device for characterization of a surface of a workpiece.

IPC 8 full level

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CPC (source: EP)

G01N 21/73 (2013.01)

Citation (search report)

See references of WO 2006136467A1

Citation (examination)

- EP 1410852 A1 20040421 - PLASMA TREAT GMBH [DE]
- DE 19635046 A1 19980305 - NIS INGENIEURGESELLSCHAFT MBH [DE]
- DE 2513266 A1 19760930 - KLOECKNER WERKE AG
- EP 0761415 A2 19970312 - AGRODYN HOCHSPANNUNGSTECHNIK G [DE]
- DE 3344683 A1 19850620 - GUSTAV STAEBLER GMBH & CO KG [DE]

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DE FR GB

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