

Title (en)

METHOD FOR CLASSIFYING A LASER PROCESS AND A LASER MATERIAL PROCESSING HEAD USING THE SAME

Title (de)

VERFAHREN ZUR KLASSIFIZIERUNG EINES LASERVORGANGS UND LASERMATERIALVERARBEITUNGSKOPF DAMIT

Title (fr)

MÉTHODE DE CLASSEMENT D'UN TRAITEMENT PAR LASER ET TÊTE DE TRAITEMENT DE MATÉRIAUX PAR LASER L'UTILISANT

Publication

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Application

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Abstract (en)

[origin: WO2011026638A1] The present invention relates to a method for classifying a laser process of a workpiece by means of a laser material processing head, comprising the steps of recording acoustic data caused by the laser process of the workpiece, transforming the acoustic data into a frequency domain by means of a wavelet decomposition or a windowed fourier transform to generate acoustic frequency features and classifying the acoustic frequency features on the basis of learned acoustic frequency features.

IPC 8 full level

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Citation (search report)

See references of WO 2011026638A1

Citation (examination)

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