

Title (en)

METHOD AND DEVICE FOR AUTOMATIC LASER FOCUSING

Title (de)

VERFAHREN UND VORRICHTUNG ZUR AUTOMATISCHEN LASERFOKUSSIERUNG

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FOCALISATION AUTOMATIQUE DE FAISCEAU LASER

Publication

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Application

EP 09714756 A 20090218

Priority

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Abstract (en)

[origin: CA2714599A1] The invention relates to a method and to a device for automatic laser focusing. The basic concepts of the method are the automatable, and particularly preferred the automated photography of the focal points generated during a focus series by means of a camera and a determination of the respective focal point diameters, and an evaluation of said data using an interpolated or approximated function, which allows a conclusion of those focal points having the smallest focal point diameters and consequently the associated optimum focal distance. By using the method according to the invention, a number of the disadvantages known from the prior art can be avoided, in particular the high time expenditure for the determination of the optimal focal distance, and the uncertainty connected with a user in the selection of the optimal focal point, are eliminated as part of the photography of a focus series.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2009106043A1

Citation (examination)

WO 2004050290 A1 20040617 - SIEMENS AG [DE], et al

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