

Title (en)

METHOD FOR LASER ENGRAVING A SUBSTRATE SURFACE

Title (de)

VERFAHREN ZUR ERZEUGUNG EINER LASERGRAVUR IN EINE OBERFLÄCHE EINES SUBSTRATES

Title (fr)

PROCEDE PERMETTANT DE GRAVER AU LASER UNE SURFACE D'UN SUBSTRAT

Publication

**EP 1433114 A1 20040630 (DE)**

Application

**EP 02779137 A 20021002**

Priority

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Abstract (en)

[origin: US2005045605A1] The invention, which relates to a method and an arrangement for producing a laser engraving in a surface of a substrate, in which case, during an engraving operation, a laser beam generated by a laser generator is shaped by means of beam shaping diaphragms, focused in a focusing unit and directed, in beam intervals or continuously, onto the surface to be engraved, is based on the object of enabling an individual and freely programmable laser engraving in the surface of a substrate with a reduction of the production and maintenance outlay. In respect of the method, this is achieved in that the substrate is moved during the engraving operation in an x-y plane lying perpendicular to the beam direction. In respect of the arrangement, it is provided that the substrate support can be moved in an x-y plane lying perpendicular to the direction of the laser beam.

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