

Title (en)  
METHOD FOR LASER ENGRAVING AND/OR LASER MARKING, LASER MARKED AND/OR ENGRAVED ARTICLE AND ARTICLE FOR LASER ENGRAVING AND/OR LASER MARKING

Title (de)  
VERFAHREN ZUM LASERGRAVIEREN UND/ODER LASERMARKIEREN, LASERMARKIERTER UND/ODER GRAVIERTER GEGENSTAND UND GEGENSTAND ZUM LASERGRAVIEREN UND/ODER LASERMARKIEREN

Title (fr)  
PROCÉDÉ DE GRAVURE AU LASER ET/OU DE MARQUAGE AU LASER, ARTICLE MARQUÉ ET/OU GRAVÉ AU LASER ET ARTICLE POUR GRAVURE AU LASER ET/OU MARQUAGE AU LASER

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Application  
**EP 22171556 A 20220504**

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Abstract (en)  
The invention is directed to a method for laser engraving and/or laser marking comprising the steps of:- providing a substrate with at least one layer, wherein the at least one layer comprises a polymer and an irreversible thermochromic pigment,- generating a carbon trace or vapor trace within or on the at least one layer by irradiating the substrate with a pulsed laser beam, such that a focus spot of the laser beam is within or on the at least one layer at a first predetermined position, and- irradiating the substrate with the pulsed laser beam such that the focus spot of a consecutive laser pulse is within or on the at least one layer at a predetermined consecutive position and a distance between the first position and the consecutive position is less or equal to twofold a diameter of the carbon trace or vapor trace. Furthermore, the invention is directed to a laser marked and/or engraved article produced by said method and to an article for laser engraving and/or laser marking.

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Citation (applicant)  
FR 3106527 A1 20210730 - OLIKROM [FR]

Citation (search report)  

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