

Title (en)
LARGE BEAM SCANNING LASER ABLATION

Title (de)
LASER ABLATION MIT GROSSFLÄCHIGEM ABTASTSTRAHL

Title (fr)
ABLATION PAR LASER A FAISCEAU A GRANDE ENVERGURE DE BALAYAGE

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EP 0989835 A4 20030326 (EN)

Application
EP 98929122 A 19980616

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Abstract (en)
[origin: WO9857604A1] The present invention provides a method for ablating material including directing a laser beam through a mask and through a scanning unit to an area of the material to thereby ablate the material, wherein the scanning unit can scan or be controlled to scan the beam in a predetermined pattern on the material, and an apparatus for laser ablation of material including a laser source for producing a beam of far ultra-violet or infra-red light, a mask, means for directing the beam through the mask and a computer-controlled scanning unit for scanning or being controlled to scan the beam in a predetermined pattern on the material, wherein the beam is directed to an area of the material to be ablated. The mask may be of variable area, and this area may be increased during a single use of the apparatus.

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Citation (search report)
• [X] WO 9407447 A2 19940414 - HOHLA KRISTIAN [DE]
• [X] DE 4232915 A1 19940407 - HOHLA KRISTIAN [DE]
• [A] WO 9527534 A1 19951019 - SUMMIT TECHNOLOGY INC [US]
• [A] US 5520679 A 19960528 - LIN J T [US]
• See references of WO 9857604A1

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