

Title (en)

MUTUAL INLAID METHOD AND DEVICE FOR SCANNING AN ABLATING LASER BEAM

Title (de)

VERFAHREN UND GERÄT ZUM ABTASTEN EINES ABLATIONS-LASER-STRAHLS

Title (fr)

PROCEDE ET DISPOSITIF PAR INCRUSTATION RECIPROQUE DE BALAYAGE D'UN FAISCEAU LASER D'ABLATION

Publication

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Application

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Abstract (en)

[origin: WO9927996A1] Apparatus and method are provided for performing corneal refractive surgery by ablating a portion of a corneal surface of an eye. The apparatus includes a scanner (120) to move a laser beam across a layer to be ablated. A processor (250) determines a first plurality of ablation points substantially within the layer to be ablated. Each of the first plurality of ablation points is defined by a center of the laser beam. The processor (250) determines a second plurality of ablation points to be ablated by the laser beam. Each of the second plurality of ablation points is defined by a center of the laser beam, and each of the second plurality of ablation points is disposed at a location linearly offset from a midpoint between two adjacent ablation points of the first plurality of ablation points in a direction normal to a line defined by the two adjacent ablation points.

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Citation (search report)

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