

Title (en)

TREATING A TARGET WITH A DIVIDED LASER BEAM

Title (de)

BEHANDLUNG EINES ZIELS MITTELS EINES GETEILTEN LASERSTRAHLS

Title (fr)

TRAITEMENT D'UNE CIBLE AVEC UN FAISCEAU LASER DIVISE

Publication

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Application

EP 00976231 A 20001116

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Abstract (en)

[origin: WO0137769A1] The invention provides an optical system, including a powerful first light source forming a main light beam; an optical arrangement for focusing the main light beam onto a target plane, and a diffraction grating assembly having a plurality of diffraction gratings movably coupled in the assembly, for selectively introducing at least one grating in a plane transversing the main light beam; each of the gratings having a predetermined pattern of grating functions for spatial modulation of the main light beam so as to divide the beam into a multiplicity of sub-beams to be focused on the target plane. The invention further provides a method for treating a target plane with a light beam and a method for treating a tissue at a surgical site.

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