

Title (en)
OPTICAL SYSTEM FOR OPHTHALMIC SURGICAL LASER

Title (de)
OPTISCHES SYSTEM FÜR EINEN AUGENCHIRURGIELASER

Title (fr)
SYSTÈME OPTIQUE POUR LASER DE CHIRURGIE OPHTALMIQUE

Publication
EP 2459141 A4 20121212 (EN)

Application
EP 10806845 A 20100722

Priority
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• US 2010042957 W 20100722

Abstract (en)
[origin: CA2769114A1] A laser system for ophthalmic surgery includes a laser source to produce a surgical pulsed laser beam, an XY scanner to XY scan the surgical pulsed laser beam in transverse directions, a Z scanner, to Z scan the XY scanned surgical laser beam along an optical axis, one or more auxiliary optical unit, generating auxiliary light, and an objective, to provide a shared optical pathway for the XYZ scanned surgical laser beam and the auxiliary light through an objective lens group into a surgical target region, wherein the lenses of the objective lens group do not move relative to each other, and the objective has no dynamic Z scanning function.

IPC 8 full level
A61F 9/008 (2006.01); **A61N 5/067** (2006.01); **G02B 26/08** (2006.01); **G02B 26/10** (2006.01); **G02B 27/00** (2006.01); **G02F 1/29** (2006.01)

CPC (source: EP KR)
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Citation (search report)
• [X1] US 2009149841 A1 20090611 - KURTZ RONALD M [US]
• See references of WO 2011017018A2

Citation (examination)
• US 2008192783 A1 20080814 - RATHJEN CHRISTIAN [DE], et al
• EP 1617273 A1 20060118 - OLYMPUS CORP [JP]

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DOCDB simple family (publication)
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