

Title (en)

A POSITIONING ASSEMBLY FOR RETAINING AND POSITIONING A CORNEA

Title (de)

POSITIONIERUNGSANORDNUNG ZUM HALTEN UND POSITIONIEREN EINER CORNEA

Title (fr)

ENSEMBLE DE POSITIONNEMENT PERMETTANT DE RETENIR ET DE POSITIONNER UNE CORNEE

Publication

EP 1389066 A4 20080423 (EN)

Application

EP 01932625 A 20010425

Priority

US 0113234 W 20010425

Abstract (en)

[origin: WO02087451A1] A positioning assembly (10) for retaining, positioning and at least partially exposing a cornea of an eye during a surgical procedure, the eye being disposed in a latitudinally narrowed ocular access. The positioning assembly (10) includes a positioning segment (20) having a retention plate (23) with an aperture (25) defined therein to receive and expose the cornea (C) of the eye, and a flange member (24) disposed about the aperture (25), a closely spaced apart distance from a latitudinal radius thereof, and structured to engage the eye. The positioning assembly (10) further includes a suctioning assembly (30) associated with the position segment (10) for at least temporarily attaching the positioning segment (20) to the eye, the suctioning assembly (30) including a vacuum port (32) extending vertically from the positioning segment (10) and angled outwardly away from a guide track (40) integrally disposed on the retention plate (23) to define an arcuate cutting path for a microkeratome cutting head assembly (15). A Pivot assembly including at least a post member (50) is further provided, the post member (50) defining a pivot axis about which a coupling assembly, pivots. A cut origination control is provided at the post member (50) to define an origination point at which movement, and accordingly cutting, by the cutting head assembly (15) begins.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

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- [X] US 5108412 A 19920428 - KRUMEICH JORG H [DE], et al
- [X] US 5997559 A 19991207 - ZIEMER FRANK [CH]
- [X] US 5586980 A 19961224 - KREMER FREDERIC B [US], et al
- See references of WO 02087451A1

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DOCDB simple family (publication)

WO 02087451 A1 20021107; AU 2001259137 B2 20051215; BR 0117001 A 20040420; CA 2445318 A1 20021107; CA 2445318 C 20110118; CN 1269462 C 20060816; CN 1520275 A 20040811; EP 1389066 A1 20040218; EP 1389066 A4 20080423; JP 2004525723 A 20040826; KR 100752822 B1 20070829; KR 20040010629 A 20040131; MX PA03009827 A 20050419

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