

Title (en)
OPHTHALMOLOGIC PHANTOM SYSTEM

Publication
EP 0345301 A4 19921202 (EN)

Application
EP 88903482 A 19880212

Priority

- US 1443387 A 19870213
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- US 10016887 A 19870923
- US 10028087 A 19870923

Abstract (en)
[origin: WO8806329A1] A simulated human ocular system for practicing the surgical techniques required for the removal of cataractous lenses utilizing posterior chamber lens emulsification and, optionally, the techniques required for small incision implantation and refractive surgery. A human eye is generally imitated by an outer orb (5) having three inner, connected chambers separated by membranes that correspond to the cornea (23), the iris (29), and the posterior chamber, membrane (17). The lens phantom (21) consists of a structured, water-sensitive composition, such as a cross-linked gelatin to which a water soluble polymer has been added, and is thereafter encapsulated within a transparent vinyl or vinylidene chloride copolymer film. Placement of the ocular system in a structure (57) that duplicates the outside features of a human head, with provisions for varying the rotation and degree of ocular projection, completes this ocular model.

IPC 1-7
G09B 23/30

IPC 8 full level
G09B 23/30 (2006.01)

CPC (source: EP)
G09B 23/30 (2013.01)

Citation (search report)

- [Y] US 3177593 A 19650413 - LOEB KURT M
- [A] US 4596528 A 19860624 - LEWIS LEONARD A [US], et al
- [Y] CHEMICAL PATENTS INDEX, DOCUMENTATION ABSTRACTS JOURNAL Section PQ, Week 8920, Derwent Publications Ltd., London, GB; Class P, AN 89-149310 & SU-A-1 416 122 (OSHEROV,R.S.)
- See references of WO 8806329A1

Designated contracting state (EPC)
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