

translational research in Ophthalmology



Vardinogiannion Eye Institute of Crete





IVO/VEIC

Compositivity applications. basic research medical services implementedresear RESEARCH CES technological research

25 years research independence - translational research at IVO-VEIC of the University of Crete

FROM THE NIT A LIDEA



Sketches-ideas of Prof. I. Pallikaris

BEMMO2_Layout 1 23/06/2016 8:37 π.μ. Page 4

TO THE FINAL DESIGN



The final tools

PROVE THE CONCEPT ON TISSUE - ANIMAL STUDIES



Microscopic images of tissue animal studies



國際 法的复数基本的的 United States Patent 109 pri Patene Seather: 5,099,810 pri Pate of Patent: Dec. 23, 1997 THE TRUNCTORMS FOR REMOVAL BY SHIFT ZUX

THERE S. A. Signs Individual Southers, San Special States and Support Research & Signs Individual Southers, Southers, 1975. 1W) Awester Terrato G. Möffeste, etc Brinning et Since Medell School, Depattere et deptitioning 40,000 inc. 1728 Besidive Com. 710, the Cines Trybe RM L'Espaine PK, Iki Feo RA, et à Zenne Rodau Lace Lymphia Karana agi a Cilifal Saly Pythologia, 1987/0024-864 an United States Patent Making of al. (18) Patent Nu.: US 6,4419,345 BE 185 Date of Estern: June 28, 2002 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,000 | \$15,

United States Patent [19] Wakil et al. Roch DD, Foulks GN, Moran CL, Wakil JS, "The Corneal EyeSys System: Accuracy Analysis and Reproducibility of Fast-Generation Prototype," Refract Corneal Surg., 1989; 5:424-429. Spencer P. Thornton, Nashville, To Lonnies G. Pullikaris, Heraklion, Cheese

MANIERRENNERRERE an United States Patent 100 Parent No.: 108 BLSSUSSS B3 100 Parent Parent: 380,8,000 Office of the control to have a superior of the control to the con 150 PROSCOBLUMBA ESSENCIA MUSICARON toran, Transactor Président, Activo Président de l'Activo

250

2530

14

2100

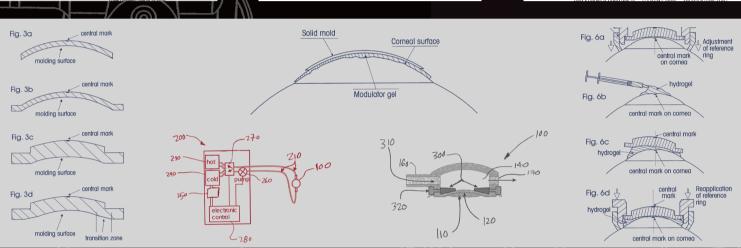
2560

2520

| 555 | 166 CL | A400 S10 | 655 | CX, CL | 350 CB

MAN INTERNATIONAL COMPANIAN

->> 10200 SOR 189 HIR OF CHOS OF 110 CO Lain 8000 OF DW EAL.





Coroba Applikation Pillage XXXX

(54) DETERMINING CLINICAL REFRACTION (52) U.S. CL

®

10

43

18

41

51

46

6 Oct 7, 1998 (UA) Jun. 2, 2002 (UA) Oct 4, 2002 (UA) AM REMARKATION OF THE no United States
on Patent Application Publication on Pat. No. US 2002/0052596 As Pattless of the May 2, 2002

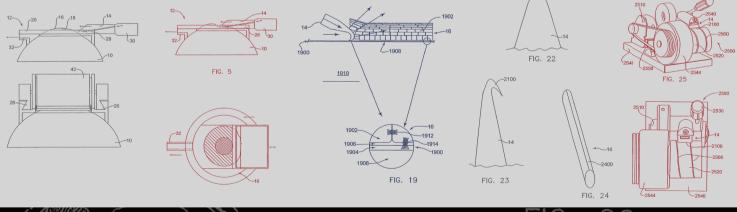
開墾|| 樹葉集開用葉製用目業業長 (12) United States Patent Wakil et al. COART, AND MICHON PARTIE OF MARK OF CHARLES ASSESS AND PRINCATED OLLOWING TOO OLLOWING TOO 700: 1564 - Ass. 32, 2991 (16: 1564); Aggaladia 91149, data nn Patent Application Publication | par Pub. Not US 2004/0238142 Al-Wulsi et al. | 200 Pub. Itate: | New 4, 2004

(Sq. ARAMERING REPRACTIVE CHARACTERISIONS OF SILMAN SA ES

FIG. 22 <u>1910</u>

nm eigenfhiidhhabhii

Det. 29, 2665



co United States
co Patent Application Publication no Pols No. 125 2005072
pullingric et al. 125 2005072

HANGE TOO SERVINGS TOO STREET HAS SERVED AND THE SE

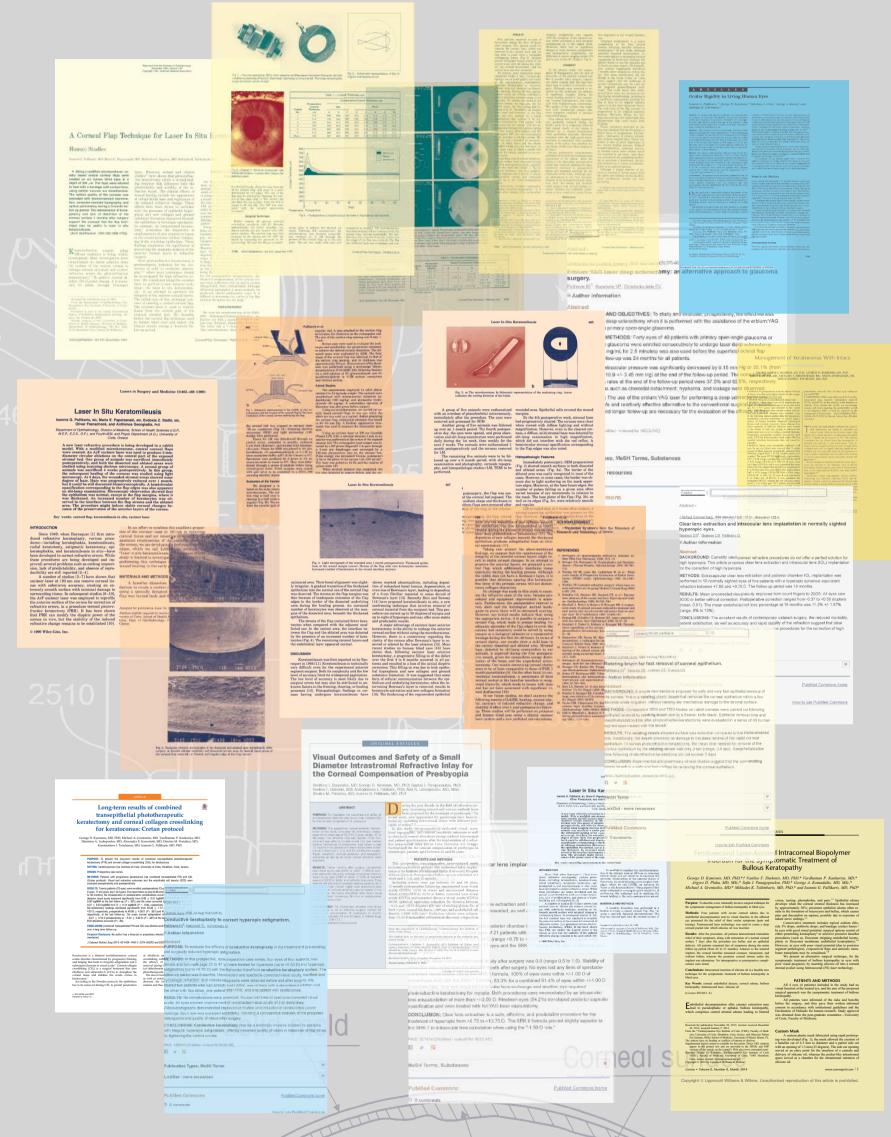




Published patents

®

THE PUBLICATIONS



Scientific publications

®

BEMMO2_Layout 1 23/06/2016 9:06 π.μ. Page 9

INTERNATIONAL TRAINING CENTER THE MINI FELLOWSHIPS



#AEG FAN MINARS





BEMMO - Βαρδινογιάννειο Εργαστήριο Μεταμοσχεύσεων και Μικροχειρουργικής Οφθαλμού www.ivo.gr



