

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2012/035403 A8

(43) International Publication Date
22 March 2012 (22.03.2012)

- (51) International Patent Classification:
A61F 9/01 (2006.01) *A61F 9/013* (2006.01)
- (21) International Application Number:
PCT/IB2011/002125
- (22) International Filing Date:
13 September 2011 (13.09.2011)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/382,037 13 September 2010 (13.09.2010) US
- (71) Applicant (for all designated States except US): **SINGAPORE HEALTH SERVICES PTE LTD** [SG/SG]; 31 Third Hospital Avenue, #03-03 Bowyer Block C, Singapore 168753 (SG).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **TAN, Donald** [SG/SG]; c/o Singapore Health Services Pte Ltd, 31 Third Hospital Avenue, #03-03 Bowyer Block C, Singapore 168753 (SG). **MEHTA, Jodhbir** [GB/SG]; c/o Singapore Health Services Pte Ltd, 31 Third Hospital Avenue, #03-03 Bowyer Block C, Singapore 168753 (SG).
- (74) Agent: **VIERING, JENTSCHURA & PARTNER LLP**; P.O. Box 1088, Rochor Post Office, Rochor Road, Singapore 911833 (SG).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(48) Date of publication of this corrected version:

20 September 2012

(15) Information about Correction:
see Notice of 20 September 2012

(54) Title: METHOD FOR PERFORMING A REVERSIBLE REFRACTIVE PROCEDURE

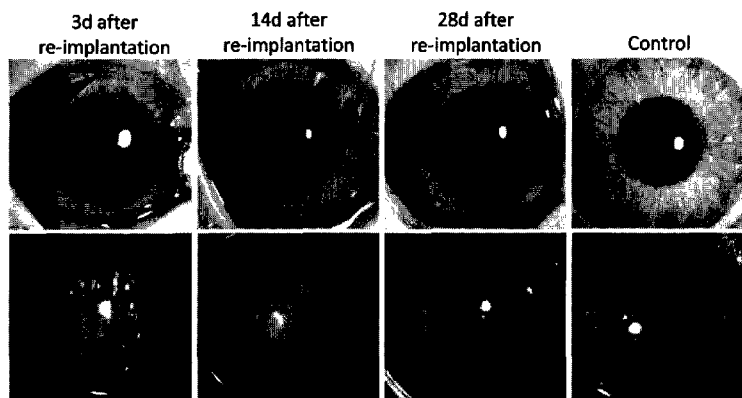


Figure 6a

(57) Abstract: The present invention is directed to a method for performing a reversible refractive procedure by reimplanting a refractive lenticule that has been obtained by a refractive procedure on the eye, the method comprising the steps of preparing the refractive lenticule for reimplantation, creating a corneal flap in an eye of an acceptor, transferring the refractive lenticule under the corneal flap, and repositioning and covering the acceptor's corneal flap; thereby reimplanting the refractive lenticule. The present invention is also directed to a refractive lenticule obtained by a refractive procedure on the eye of a donor for use in a method for subsequent reimplantation in a reversible refractive procedure on an acceptor, wherein the refractive lenticule is stored at a temperature below 0°C.