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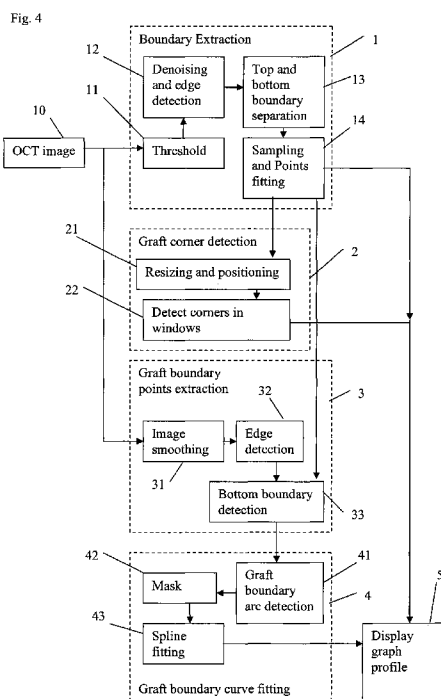
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(54) Title: CORNEAL GRAFT EVALUATION BASED ON OPTICAL COHERENCE TOMOGRAPHY IMAGE



(57) Abstract: An OCT image of an eye which has been subject to a DSAEK corneal transplant, in which a Descemet's membrane in the cornea has been replaced by a graft, is processed to identify the outline of the graft. The process includes the steps of: computationally extracting the boundary of the cornea including the graft; computationally detecting the corners of the graft; computationally extracting points on the boundary between the graft and the original cornea; and computationally fitting the points on the boundary between the graft and the original cornea smoothly into a curve. The outline of the graft is then displayed. A graft profile may be generated, indicating the thickness of the graft at each point along its length.



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