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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(54) **Title:** METHOD AND SYSTEM FOR INSPECTING AN OPHTHALMIC LENS IN AN AUTOMATED LENS MANUFACTURING PROCESS

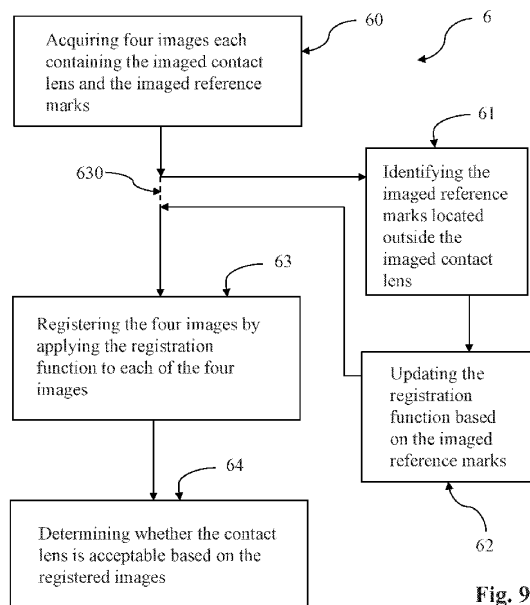


Fig. 9

(57) **Abstract:** A method (6) for inspecting an ophthalmic lens (2), in particular a contact lens such as a soft contact lens (2), in an automated lens manufacturing process is disclosed. The method comprises the steps of acquiring (60) a plurality of images containing the ophthalmic lens (2) to be inspected as an imaged ophthalmic lens (2), wherein each image (4) of the plurality of images is of a different image type, registering (63) the plurality of images by applying a registration function to each image (4) of the plurality of images to obtain registered images, determining (64), based on the registered images, whether the ophthalmic lens (2) complies with predetermined specifications, and updating (62) the registration function to compensate for possible changes in the acquisition of the plurality of images. Updating (62) the registration function is performed during the automated lens manufacturing process.

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