

Abstract**Contact Lens Defect Inspection using UV illumination**

5 A system for detecting defects in a contact lens material comprising: a camera having a lens and a digital image output for inspecting said lens suspended in saline solution, wherein said camera's digital image output includes only the image produced by light in a color spectrum corresponding to a portion of the spectrum of light produced by fluorescent emission of said lens material; a first Ultra violet light source to illuminate
10 said lens and excite fluorescent emission therein; a first filter to filter the emitted light from the lens which is illuminated by Ultra violet light; and a computer having an associated memory, an input for accepting the digital image output from said camera, and an output representative of an analyzed digital image wherein said analyzed digital image includes visible indications of any imperfections detected in said lens material.

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Figure 1

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