

United States Patent [19]

Porat et al.

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[54] CONTACT LENS WITH A BACK SURFACE HAVING SECOND-ORDER PORTIONS

[75] Inventors: **Menachem Porat; Ofer Rabinovich**, both of Kibbutz Hanita, Israel

[73] Assignee: **Hanita Lenses, a Limited Partnership**, Kibbutz Hanita, Israel

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[58] Field of Search 351/160 R, 160 H, 161, 351/162

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Primary Examiner—John K. Corbin

Assistant Examiner—Scott J. Sugarman

[57] **ABSTRACT**

A contact lens having a back surface comprising a central zone and at least one marginal zone. The central zone and the marginal zone being each constituted by portions of second-order surfaces of revolution other than spherical. The transition from the central to the marginal zone is tangential, and in the marginal zone, the axial clearance between the cornea and the back surface increases in direction towards the edge of the lens.

5 Claims, 3 Drawing Sheets

