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Höfer et al.

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[54] **CONTACT LENS AND PROCESS FOR THE MANUFACTURE THEREOF**

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[75] Inventors: **Peter Höfer, Aschaffenburg; Peter Hagmann, Hösbach-Bahnhof; Martin Reichner, Aschaffenburg; Peter Herbrechtsmeier, Königstein, all of Fed. Rep. of Germany**

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[73] Assignee: **Ciba-Geigy Corporation, Ardsley, N.Y.**

Primary Examiner—Scott J. Sugarman
Attorney, Agent, or Firm—William G. Hervey; Edward McC. Roberts

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[57] ABSTRACT

[30] Foreign Application Priority Data

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A contact lens that consists of gas-permeable, especially oxygen-permeable, lens material and has a supporting edge which rests on the sclera and is covered at least partially by both eyelids and absorbs the forces acting on the lens as the lid closes, the rear face of the lens in the region of the cornea being spaced from the surface of the cornea. By ensuring the exchange of lachrymal fluid between the contact lens and the surface of the eye, metabolic products are transported away and the supply of oxygen to the cornea is assisted. For that purpose, channels may be provided on the lens or the lens may be caused to rotate.

[51] Int. Cl.⁵ **G02C 7/04**

[52] U.S. Cl. **351/160 R; 351/177**

[58] Field of Search **351/160 R, 160 H, 161, 351/162, 177**

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17 Claims, 4 Drawing Sheets

