

[54] METHOD AND APPARATUS FOR MAKING A NON SPHERICAL BEVELED CONTACT LENS

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[57] ABSTRACT

[21] Appl. No.: 3,833

An improved contact lens with a truly non-spherical bevel is disclosed, along with a method and apparatus for making same. Lenses, including the theoretically perfect "ski" periphery are consistently produced and reproduced by bringing the posterior surface of the unfinished lens into contact with a rotating abrasive coated working surface. The working surface or tool is size selected to match the unfinished lens and desired fitting dimensions. The working surface is formed on a tool body having a central axis and having a smooth three-dimensional curvilinear surface configuration generated by the rotation of an S-shaped curve produced by the circumferential arcs of two tangential conic-section curves about the central axis.

[22] Filed: Jan. 16, 1979

[51] Int. Cl.³ B24B 9/14; G02C 7/04

[52] U.S. Cl. 351/177; 61/124 L; 351/160 R

[58] Field of Search 351/160-162, 351/177; 51/124 L

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5 Claims, 12 Drawing Figures

