

[72] Inventor **Hyman Rosen**
Hewlett, N.Y.
[21] Appl. No. **833,611**
[22] Filed **June 16, 1969**
[45] Patented **July 20, 1971**
[73] Assignee **Alexander Mencher**
Forest Hills, N.Y.
a part interest
Continuation-in-part of application Ser. No. 564,268, July 11, 1966, now Patent No. 3,468,602.

3,468,602 9/1969 Rosen..... 351/160

FOREIGN PATENTS

802,486 10/1958 Great Britain..... 351/160
852,836 11/1960 Great Britain..... 351/160

OTHER REFERENCES

Bier **CONTACT LENS ROUTINE AND PRACTICE**
Second Edition Textbook published 1957 pages 56 and 57
cited Copy in 351/160

Primary Examiner—David H. Rubin
Attorney—Alexander Mencher

[54] **CONTACT LENS WITH FLEXIBLE CENTRAL PORTION**
2 Claims, 11 Drawing Figs.

[52] U.S. Cl..... 351/160
[51] Int. Cl..... G02c 7/04
[50] Field of Search..... 350/160-162

[56] **References Cited**
UNITED STATES PATENTS

2,211,086 8/1940 Tillyer..... 351/160
2,241,415 5/1941 Moulton..... 351/162
2,664,025 12/1953 Herman..... 351/160 X
3,228,741 1/1966 Becker 351/160

ABSTRACT: The invention relates to the structure of a yieldable and resilient corneal contact lens having a central and domed area capable of relative and substantial diaphragmatic action without contacting the eye and responsive to exertion and release of pressure induced by eyelid movement. Said lens has an outer peripheral area engageable with the eye and is provided with channels on the inner side to permit ingress and egress of eye or tear fluids to and from said domed area which latter serves as a fluid chamber. An intermediate thickened or reinforced peripheral area connected to the edge of the domed area serves as the support or fulcrum for the diaphragmatic action of the domed area and also serves to connect with the outer peripheral engageable area adapted to float on and adhere to the eye proximate to the cornea.

