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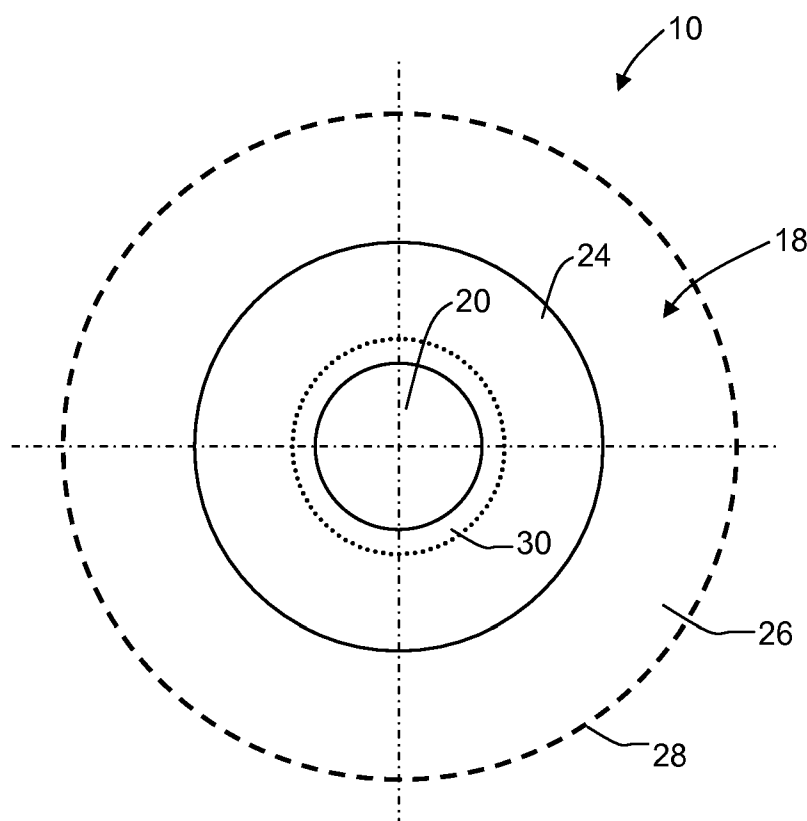
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[Continued on next page]

(54) Title: MEANS FOR CONTROLLING THE PROGRESSION OF MYOPIA



(57) Abstract: A contact lens (10) for use in controlling or retarding the progression of myopia in an eye has a central optical zone (20) approximating the normal diameter of the pupil of the eye (22) that gives clear central vision at distance for the wearer. An annular peripheral optical zone 24 that is substantially outside the diameter of the pupil is formed around the central optical zone (20) with greater refractive power than that of the central zone (22) so that oblique rays entering the eye through the peripheral optical zone (24) will be brought to focus at a focal plane that is substantially on or anterior to the peripheral region of the retina. Preferably, the rear surface (16) of the lens is shaped to conform to the cornea of the eye and the front surface (18) of the lens (10) is shaped to provide - in conjunction with the rear surface (16) - the desired optical properties of the central and peripheral optical zones. The front surface (18) is also preferably contoured to form a smooth transition (30) between the

junction of the central optical zone (20) and the peripheral optical zone (24), with or without designed optical properties such as progressive power.



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/055891 A (INST EYE RES [AU]; SMITH EARL LEO [US]; GREEMAN PATSY HF [US]; HO ARTH) 23 June 2005 (2005-06-23) page 9, line 32 - page 36, line 28; figures 1a-12i	1-38
P, X	WO 2007/041796 A (CARL ZEISS VISION AUSTRALIA HO [AU]; VARNAS SAULIUS RAYMOND [AU]; FISH) 19 April 2007 (2007-04-19) page 2, line 24 - page 11, line 26 figures 1A-13; examples 1-6	1-38
X	US 5 526 071 A (SEIDNER LEONARD [US] ET AL) 11 June 1996 (1996-06-11) column 6, line 28 - column 10, line 58; figures 1-5	1-16
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WILLIAMS D R ET AL: "Off-axis optical quality and retinal sampling in the human eye" VISION RESEARCH, PERGAMON PRESS, OXFORD, GB, vol. 36, no. 8, April 1996 (1996-04), pages 1103-1114, XP002311516 ISSN: 0042-6989 the whole document -----	1-38
A	EP 1 262 815 A (VISIONIX LTD [IL]) 4 December 2002 (2002-12-04) paragraph [0049] - paragraph [0075]; figures 1A-11 -----	1-38

INTERNATIONAL SEARCH REPORT

Information on patent family members

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