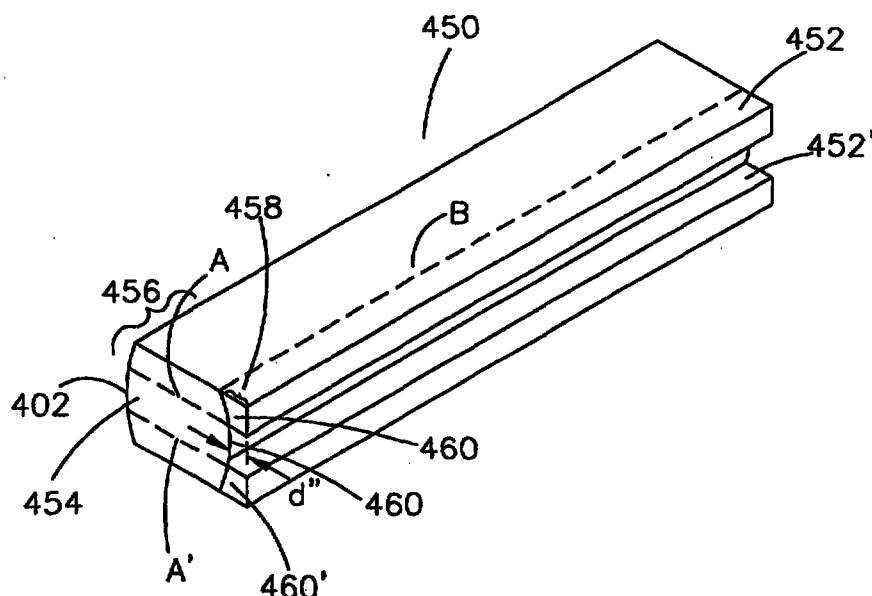




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

51) International Patent Classification ⁶ : G02B 3/04	A1	(11) International Publication Number: WO 00/19248 (43) International Publication Date: 6 April 2000 (06.04.00)
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21) International Application Number: **PCT/US99/22254**22) International Filing Date: **24 September 1999 (24.09.99)**30) Priority Data:
09/162,455 **28 September 1998 (28.09.98)** **US**71) Applicant: **BLUE SKY RESEARCH [US/US]; 3047 Orchard Parkway, San Jose, CA 95134-2024 (US).**72) Inventor: **KWIATKOWSKI, Stephen, L.; 1668 Quail Avenue, Sunnyvale, CA 94087 (US).**74) Agent: **FLORES, Victor; LaRiviere, Grubman & Payne, LLP, P.O. Box 3140, Monterey, CA 93942 (US).**(81) Designated States: **JP, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).****Published**
*With international search report.*54) Title: **MICRO-OPTIC LENS WITH INTEGRAL ALIGNMENT MEMBER**

7) Abstract

Method for passively aligning micro-optical lenses with other elements, and devices resulting therefrom. The method taught herein particularly well suited to effect the passive alignment of cylindrical (400, 440) microlenses with other elements or devices, such as laser diodes. Cylindrical microlenses formed according to the principles of the present invention include at least one alignment member (460) including at least one alignment surface (402). Urging the cylindrical microlens (400, 440) into intimate mechanical contact with the element to which it is to be attached, and its attachment thereto results in micro-optical devices formed with a minimum of skilled labor, and such devices reflect a superior degree of optical perfection.