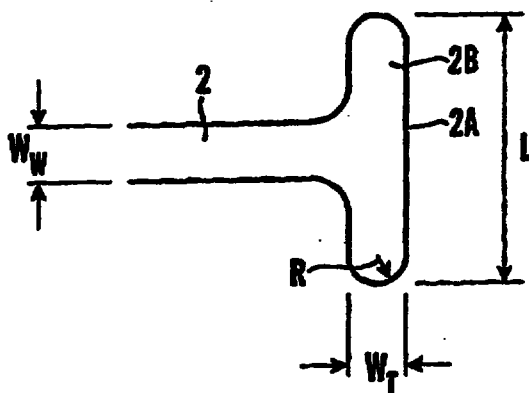


200007079-7

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : G02B 6/30, 6/12	A1	(11) International Publication Number: WO 99/66360 (43) International Publication Date: 23 December 1999 (23.12.99)
(21) International Application Number: PCT/GB99/01297 (22) International Filing Date: 26 April 1999 (26.04.99) (30) Priority Data: 9812605.5 12 June 1998 (12.06.98) GB (71) Applicant: BOOKHAM TECHNOLOGY LIMITED [GB/GB]; 90 Milton Park, Abingdon, Oxon OX14 4RY (GB). (72) Inventors: RICKMAN, Andrew, George; St. Katherines Lodge, Savernake Forest, Marlborough, Wilts SN8 3BG (GB). HARPIN, Arnold, Peter, Roscoe; 58 Stratford Street, Oxford OX4 1SW (GB). (74) Agents: UNWIN, Stephen, Geoffrey et al.; Fry, Heath & Spence, The Old College, 53 High Street, Horley, Surrey RH6 7BN (GB).	(81) Designated States: AU, CA, CN, IL, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	

(54) Title: WAVEGUIDE END FACE**(57) Abstract**

An integrated optical waveguide (2) with an end face (2A), the end face (2A) being provided on an end portion with a greater width than the waveguide (2), e.g. in the form of a T-bar (2B) provided at the end of the waveguide (2), whereby the rounding effect produced by the manufacturing process, e.g. etching, used to form the end face (2A) does not affect the flatness of the portion of the end face (2A) through which the majority of light is transmitted. The T-bar (2B) is preferably inclined so the normal of the end face (2A) is inclined to the optical axis of the waveguide (2) to reduce back reflection therefrom. A plurality of waveguides (6, 7, 8) may terminate in a common T-bar (6B).