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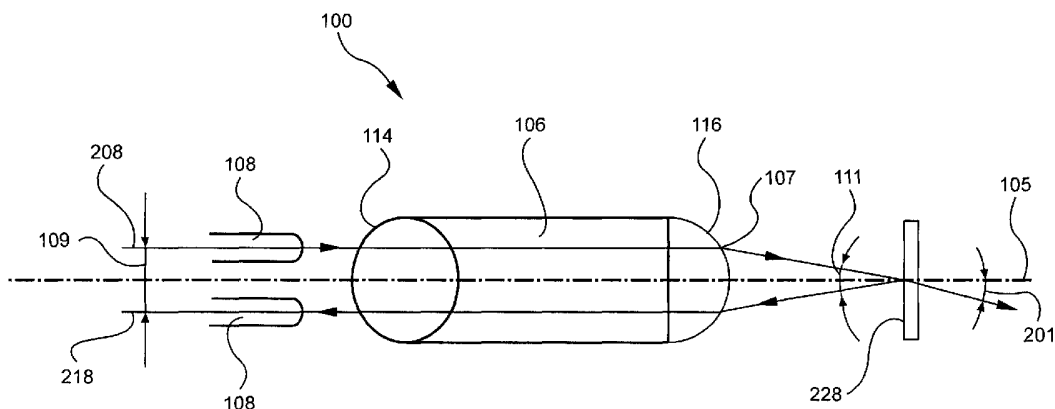
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(54) Title: DUAL FIBER COLLIMATOR



(57) Abstract: An optical fiber collimator (100) in an optical system, includes a pair of optical fibers (108) having emitting cleaved planes (112) to provide a substantially uniform angled side surface for forming a prescribed angle (101) relative to the optical axis (105) of the optical system. The pair of optical fibers (108) are disposed coplanarly in the object plane of the optical system for sharing the optical axis and separated from each other and from the optical axis on the same object plane. Optically coupled to the pair of fibers, a microlens (106) has a sloped rear surface (114) opposite a rotationally symmetric microlens surface (116) which bound a volume having a homogeneous index of refraction. The pair of fibers (108) are positioned near the focal plane containing the optical axis (105) of the microlens for the generation or reception of collimated beams at the prescribed angle (101) relative to the optical axis (105) of the microlens (106).



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A. CLASSIFICATION OF SUBJECT MATTER

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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)

IPC 7 G02B

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, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00 20899 A (XROS INC) 13 April 2000 (2000-04-13) page 19, line 21 -page 20, line 30; figure 11 column 23, line 19 -column 24, line 3; figures 8,9 ---	1-10
X	US 6 263 135 B1 (WADE ROBERT KENT) 17 July 2001 (2001-07-17)	1-5,7-10
Y	abstract; figure 5 ---	6
Y	EP 1 091 221 A (JDS UNIPHASE INC) 11 April 2001 (2001-04-11)	6
A	abstract; figure 12 ---	1-5,7-10
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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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