

Title (en)  
LENSED TIP OPTICAL FIBER AND METHOD OF MAKING THE SAME

Title (de)  
OPTISCHE FASER MIT LINSENSPITZE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)  
FIBRE OPTIQUE A POINTE PRESENTANT UNE LENTILLE ET SON PROCEDE DE FABRICATION

Publication  
**EP 1702226 A2 20060920 (EN)**

Application  
**EP 05722400 A 20050110**

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Abstract (en)  
[origin: WO2005067676A2] A method is provided for manufacturing a lensed tip optical fiber. The method includes providing an optically transparent cylindrical fiber and etching a first end of the optically transparent cylindrical fiber to form a tip. The tip is heated which forms a lens surface at the heated tip. This lensed tip optical fiber makes optical alignment with other optical fibers and coupling of the optical fiber with photonic devices less burdensome.

IPC 8 full level  
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