

Title (en)  
APPARATUS FOR MEASURING THE PROPERTIES OF AN OPTICAL FIBER

Title (de)  
APPARAT ZUR MESSUNG DER EIGENSCHAFTEN EINER OPTISCHEN FASER

Title (fr)  
APPAREIL POUR MESURER LES PROPRIETES D'UNE FIBRE OPTIQUE

Publication  
**EP 1166075 A1 20020102 (EN)**

Application  
**EP 00928128 A 20000323**

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Abstract (en)  
[origin: WO0062033A1] Disclosed is an apparatus for measuring the properties of an optical waveguide fiber. The apparatus is free of apertures, lenses, and mirrors usually required in the measurement of certain waveguide fiber properties. The apparatus employs an optical switch at the launch end of the optical fiber to be tested and another optical switch at the output end of the optical fiber to be tested. The switches preserve the mode power distribution, particularly the spot size, of light passing therethrough. The apparatus may be used to measure bandwidth or attenuation of a multimode waveguide fiber, both of which are affected by launched and detected mode power distribution.

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**G01M 11/00**

IPC 8 full level  
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