

Title (en)  
DISPERSION MEASUREMENT OF OPTICAL FIBRES DURING OPERATION

Title (de)  
DISPERSIONSMESSUNG VON OPTISCHEN FASERN IM LAUFENDEN BETRIEB

Title (fr)  
MESURE DE DISPERSION RELATIVE DANS DES FIBRES OPTIQUES EN COURS D'EXPLOITATION

Publication  
**EP 2260590 A1 20101215 (DE)**

Application  
**EP 09716725 A 20090304**

Priority  
• EP 2009001522 W 20090304  
• DE 102008012982 A 20080306

Abstract (en)  
[origin: WO2009109365A1] The invention relates to a method and a system for transmitting data in an optical transmission system. A measuring signal is produced with a wavelength which differs from the wavelengths of a data signal containing the data to be transmitted. The measuring signal is injected into the optical transmission system, reflected once it has been guided down the transmission path, and then extracted. The injected measuring signal is compared with the extracted reflected measuring signal. Taking into account the comparison results, a compensation of the change of the data signal, resulting from the dispersion in the fibre, is carried out such that the data contained in the data signal can be used.

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Citation (search report)  
See references of WO 2009109365A1

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