

Title (en)  
METHOD FOR THE OPTICAL TRANSMISSION OF A POLARISATION-MULTIPLEXED SIGNAL

Title (de)  
VERFAHREN ZUR OPTISCHEN BERTRAGUNG EINES POLARISATIONS-MULTI-IPLEXSIGNALS

Title (fr)  
PROCEDE POUR LA TRANSMISSION OPTIQUE D'UN SIGNAL MULTIPLEX DE POLARISATION

Publication  
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Application  
**EP 05707871 A 20050127**

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Abstract (en)  
[origin: WO2005076509A1] The polarisation-multiplexed signal (PMS) contains two data signals (OS1, OS2) that are orthogonally polarised in relation to one another. Their carrier signals (CW1, CW2; CWX, CWY) are derived from the same source and thus have the same wavelength. The phase difference between the carrier signals (CW1, CW2; CWX, CWY) is adjusted or regulated in such a way that it corresponds to 90 DEG. Said phase difference of the carrier signals (CW1, CW2; CWX, CWY) permits the susceptibility to polarisation mode dispersion to be significantly reduced.

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Citation (search report)  
See references of WO 2005076509A1

Citation (examination)  
• EP 1330054 A2 20030723 - FUJITSU LTD [JP]  
• US 2002186435 A1 20021212 - SHPANTZER ISAAC [US], et al  
• SETO I ET AL: "Polarization state and phase noise insensitive POLSK phase-diversity homodyne system in coherent optical communications", DISCOVERING A NEW WORLD OF COMMUNICATIONS. CHICAGO, JUNE 14 - 18, 1992; [PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS], NEW YORK, IEEE, US, vol. -, 14 June 1992 (1992-06-14), pages 743 - 747, XP010062014, ISBN: 978-0-7803-0599-1, DOI: 10.1109/ICC.1992.268185

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