

Title (en)  
COHERENT-STATES BASED QUANTUM DATA-ENCRYPTION THROUGH OPTICALLY-AMPLIFIED WDM COMMUNICATION NETWORKS

Title (de)  
AUF KOHÄRENTEN ZUSTÄNDEN BASIERENDE QUANTEN-DATENVERSCHLÜSSELUNG DURCH OPTISCH VERSTÄRKTE WDM-KOMMUNIKATIONSNETZE

Title (fr)  
CHIFFRAGE QUANTIQUE DE DONNEES BASE SUR LES ETATS COHERENTS VIA DES RESEAUX DE COMMUNICATION MRL A AMPLIFICATION OPTIQUE

Publication  
**EP 1690364 A2 20060816 (EN)**

Application  
**EP 04810393 A 20041105**

Priority  

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- US 51742203 P 20031105
- US 51896603 P 20031110
- US 54663804 P 20040220

Abstract (en)  
[origin: WO2005046114A2] A quantum cryptographic protocol uses two-mode coherent states that is optically amplifiable, resulting in a polarization independent system that is compatible with the existing WDM infrastructure and which provides secure data encryption suitable for wavelength division multiplexing networks through an in-line amplified line.

IPC 8 full level  
**H04L 9/00** (2006.01); **H04B 10/70** (2013.01); **H04L 9/08** (2006.01); **H04J 14/02** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2005046114A2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 2005046114 A2 20050519; WO 2005046114 A3 20060330**; EP 1690364 A2 20060816; JP 2007511178 A 20070426

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