

Title (en)

A PRIVATE AND SECURE OPTICAL COMMUNICATION SYSTEM USING AN OPTICAL TAPPED DELAY LINE

Title (de)

PRIVATES UND SICHERES OPTISCHES KOMMUNIKATIONSSYSTEM MIT EINER OPTISCH ABGEGRIFFENEN VERZÖGERUNGSLEITUNG

Title (fr)

SYSTÈME PRIVÉ ET SÉCURISÉ DE COMMUNICATIONS OPTIQUES UTILISANT UNE LIGNE À RETARD A PIQUAGE OPTIQUE

Publication

EP 1782562 A2 20070509 (EN)

Application

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Priority

US 2004022755 W 20040715

Abstract (en)

[origin: WO2006019369A2] A method and apparatus for secure transmission of an information-containing optical signal. An optical signal is divided into a first plurality of sub-bands. Each of the sub-bands is modified to encrypt the information contained in the optical signal. The modified sub-bands are combined into a combined optical signal. The combined optical signal is divided into a second plurality of sub-bands. Each of the second plurality of sub-bands is modified to decrypt the previously encrypted information contained in the optical signal.

IPC 8 full level

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CPC (source: EP)

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Designated extension state (EPC)

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