

Title (en)

MULTI FIBER OPTICAL INTERCONNECT SYSTEM, WITH PUSH-PUSH TYPE INSERTION/WITHDRAWAL MECHANISM, MT-TYPE CONNECTOR AND SHUTTERED ADAPTER AND METHOD FOR USING SAME

Title (de)

OPTISCHES MEHRFASER-VERBINDUNGSSYSTEM MIT EINFÜGE-/HERAUSZIEHMECHANISMUS DES PUSH-PUSH-TYPS, VERBINDER DES MT-TYPS UND BLENDE-ADAPTER UND VERFAHREN ZU SEINER VERWENDUNG

Title (fr)

SYSTEME D'INTERCONNEXION A FIBRES OPTIQUES MULTIPLES DOTE D'UN MECANISME D'INSERTION/RETRAIT DU TYPE A POUSSOIR, D'UN CONNECTEUR DU TYPE MT ET D'UN ADAPTEUR A OBTURATEUR, ET PROCEDE D'UTILISATION DU SYSTEME

Publication

**EP 1849031 A2 20071031 (EN)**

Application

**EP 05821042 A 20051020**

Priority

- US 2005038013 W 20051020
- US 3630605 A 20050112
- US 15536005 A 20050617
- US 16655605 A 20050624

Abstract (en)

[origin: WO2006076061A2] An optical fiber interconnect system comprising a connector for carrying an array of optical fibers along a longitudinal axis. The adapter comprises a push-push coupling mechanism configured to receive and couple with the connector upon application of a first pushing force to the connector. The connector is disengaged and may be withdrawn from the adapter upon application of a second pushing force upon the connector. The pushing forces can be applied at a pushing region by using a stylus member. Spring-biased automatic shutters are included in the adapter to provide protection against dust and other contaminants, as well as eye injuries, when only one of the connectors is inserted in the adapter. The release mechanism that disengages the connector and adapter facilitates the handling of a small connector. When the release is operated, the separation of the connector and adapter is initiated actively without the need of a strong pull.

IPC 8 full level

**G02B 6/38** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2006076061A2

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DOCDB simple family (publication)

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