

Title (en)  
RECONFIGURABLE LASER COMMUNICATIONS TERMINAL

Title (de)  
REKONFIGURIERBARES LASERKOMMUNIKATIONSGERÄT

Title (fr)  
TERMINAL RECONFIGURABLE POUR COMMUNICATIONS LASER

Publication  
**EP 1135876 A1 20010926 (EN)**

Application  
**EP 99971229 A 19991008**

Priority  
US 9923708 W 19991008

Abstract (en)  
[origin: WO0128137A1] A system and method for free space optical communication include at least one reconfigurable terminal (30) using dual-wavelength operation for isolation between transmitted and received signals in combination with polarization switching to separate and steer the transmitted and received signals to and from corresponding transmitters (40) and receivers (48). The polarization based switching provides wavelength independent beam steering to facilitate interchanging of wavelengths for transmitted and received signals. A controllable or passive polarization changer (56) such as a wave plate or polarization rotator allows the communication terminal (30) to be reconfigured without also requiring the repositioning and associated precision alignment of beam steering optics (54, 62, 66).

IPC 1-7  
**H04B 10/105**

IPC 8 full level  
**G02B 27/28** (2006.01); **H04B 10/118** (2013.01)

CPC (source: EP)  
**H04B 10/118** (2013.01)

Citation (search report)  
See references of WO 0128137A1

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**WO 0128137 A1 20010419**; CA 2353640 A1 20010419; EP 1135876 A1 20010926; JP 2003511965 A 20030325

DOCDB simple family (application)  
**US 9923708 W 19991008**; CA 2353640 A 19991008; EP 99971229 A 19991008; JP 2001530241 A 19991008