

Title (en)  
VIRTUAL STAR NETWORK

Title (de)  
VIRTUELLES STERNNETZWERK

Title (fr)  
RESEAU ETOILE VIRTUEL

Publication  
**EP 1058979 A4 20021023 (EN)**

Application  
**EP 99905673 A 19990203**

Priority  
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• US 7362398 P 19980204

Abstract (en)  
[origin: WO9940697A1] A system (20) for communicating on an optical wavelength division multiplexed ring network (22) using terminal nodes (26) and a head-end node (24) is provided. Each terminal node has a communication subsystem (30) to receive and to transmit signals at a particular wavelength, a tributary subsystem (34) to enable a plurality of devices to communicate over the network, and a multiplexing subsystem (32) to channel signals between the devices and the ring network. The head-end node includes a demultiplexer (72) to isolate signals received from the terminals, an integral cross-connect module (58) to determine output wavelengths at which to transmit received signals, and a multiplexer (70) to combine the received signals for transmission on the network.

IPC 1-7  
**H04B 10/20**; **H04J 14/02**

IPC 8 full level  
**H04B 10/20** (2006.01); **H04J 3/00** (2006.01); **H04J 3/08** (2006.01); **H04J 14/00** (2006.01); **H04J 14/02** (2006.01); **H04Q 11/00** (2006.01)

CPC (source: EP KR)  
**H04B 10/2581** (2013.01 - KR); **H04B 10/272** (2013.01 - KR); **H04B 10/275** (2013.01 - KR); **H04J 14/0227** (2013.01 - EP);  
**H04J 14/0238** (2013.01 - EP); **H04J 14/0241** (2013.01 - EP); **H04J 14/0283** (2013.01 - EP); **H04J 14/0294** (2013.01 - EP);  
**H04Q 11/0067** (2013.01 - EP); **H04Q 2011/0094** (2013.01 - EP)

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• See references of WO 9940697A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**WO 9940697 A1 19990812**; AU 2578099 A 19990823; EP 1058979 A1 20001213; EP 1058979 A4 20021023; IL 137313 A0 20010724; JP 2002503056 A 20020129; KR 20010034424 A 20010425

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