Title (en)

VIRTUAL LINE SWITCHED RING (VLSR) CONNECTION STATE DISTRIBUTION SCHEME

Title (de)

VERBINDUNGSZUSTANDSVERTEILUNGSSCHEMA FÜR EINEN VIRTUELLEN LEITUNGSVERMITTELTEN RING (VLSR)

Title (fr)

SCHEMA DE DISTRIBUTION DE L'ETAT DE CONNEXION D'UN ANNEAU VIRTUEL A COMMUTATION DE LIGNE (VLSR)

Publication

EP 1417497 A4 20060830 (EN)

Application

EP 02747005 A 20020715

Priority

- US 0222215 W 20020715
- US 90462301 A 20010713

Abstract (en)

[origin: WO03007005A1] Systems and methods consistent with this invention allow for each node within one or more rings to obtain connection and topology information from other nodes within these rings. In such a system, each node is able to maintain connection table (415) and topology tables (415) for each node and each ring within a ring network. In particular, such information can be kept current because this scheme allows for dynamic updating of connection and topology information in real time. With such current information, a node is able to utilize this information to execute such operations as squelching connections on a protect line and timeslot interchange. In addition, by supporting timeslot interchange, the ring can be managed as more than a single logical entity as well as can have better bandwidth management utilization.

IPC 8 full level

H04B 10/20 (2006.01); **G01R 31/08** (2006.01); **G06F 11/00** (2006.01); **H04J 3/08** (2006.01); **H04J 3/16** (2006.01); **H04L 12/00** (2006.01); **H04L 12/437** (2006.01); **H04Q 11/00** (2006.01)

CPC (source: EP)

H04L 12/437 (2013.01); H04J 2203/0057 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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