

Title (en)

N:1 REDUNDANCY SCHEME FOR MODULES WITH OPTICAL INTERFACES

Title (de)

N:1-REDUNDANZSCHEMA FÜR MODULE MIT OPTISCHEN SCHNITTSTELLEN

Title (fr)

SCHEMA DE REDONDANCE N:1 POUR MODULES A INTERFACES OPTIQUES

Publication

EP 1807954 A1 20070718 (EN)

Application

EP 05794533 A 20051014

Priority

- EP 2005055277 W 20051014
- US 61862404 P 20041014

Abstract (en)

[origin: WO2006040354A1] One for N (1:N) redundancy of I/O electronics modules is provided while interfacing to either non-redundant or 1+1 redundant lines. By using a mid-plane architecture which associates front modules with pairs of rear-mounted I/O driver modules and provides a redundancy bus to connect a spare front module to any pair of rear modules , single points of failure are avoided. The rear-mounted I/O modules operate 1+1 redundant to either align with normal SONET/SDH line protection arrangements or to provide 100% capacity redundancy for Ethernet interfaces. In one realization alternative, front and rear modules are paired such that each front module carries half the aggregate capacity of the I/O provided by the 1+1 redundant pair of rear I/O driver modules.

IPC 8 full level

H04J 3/14 (2006.01); **H04L 12/56** (2006.01)

CPC (source: EP)

H04J 3/14 (2013.01); **H04Q 1/03** (2013.01); **H04J 2203/0026** (2013.01); **H04J 2203/006** (2013.01); **H04L 2012/5627** (2013.01); **H04M 3/12** (2013.01); **H04Q 2213/13003** (2013.01); **H04Q 2213/1301** (2013.01); **H04Q 2213/13167** (2013.01); **H04Q 2213/13292** (2013.01); **H04Q 2213/13299** (2013.01)

Citation (search report)

See references of WO 2006040354A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 2006040354 A1 20060420; EP 1807954 A1 20070718

DOCDB simple family (application)

EP 2005055277 W 20051014; EP 05794533 A 20051014