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

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Priority

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- 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

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CPC (source: EP)

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