

Title (en)  
INCREMENTALLY SCALABLE, MULTI-TIER SYSTEM OF ROBOTIC, FIBER OPTIC INTERCONNECT UNITS ENABLING ANY-TO-ANY CONNECTIVITY

Title (de)  
INKREMENTAL SKALIERBARES MEHRSTUFIGES SYSTEM VON ROBOTERGESTÜTZTEN FASEROPTISCHEN VERBINDUNGSEINHEITEN ZUR ERMÖGLICHUNG VON ANY-TO-ANY-KONNEKTIVITÄT

Title (fr)  
SYSTÈME MULTI-NIVEAUX ÉVOLUTIF DE MANIÈRE INCRÉMENTIELLE D'UNITÉS D'INTERCONNEXION DE FIBRES OPTIQUES ROBOTIQUES, PERMETTANT UNE CONNECTIVITÉ UNIVERSELLE

Publication  
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Application  
**EP 20848673 A 20200602**

Priority  
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• US 2020035776 W 20200602

Abstract (en)  
[origin: WO2021021280A1] Systems and methods to incrementally scale robotic software-defined cross-connects from 100 to more than 100,000 ports are disclosed. A system is comprised of individual cross-connect units that individually scale in increments of say, 96 interconnects in tier 1 to, for example, 1,008 interconnects total. A system comprised of multiple cross-connect units arranged and interconnected in a two-tier approach is disclosed, one which achieves fully non-blocking, any-to-any connectivity with the flexibility to grow incrementally. Methods to build out this system over time, in an incremental and non-service interrupting fashion, are described.

IPC 8 full level  
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