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(19) **United States**(12) **Patent Application Publication**
MAILLOT et al.(10) **Pub. No.: US 2022/0386501 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **SYSTEM PROVIDING A NETWORK
INTERFACE TO A PLURALITY OF
ELECTRONIC COMPONENTS**(52) **U.S. Cl.**CPC **H05K 7/1492** (2013.01)(71) Applicant: **OVH**, Roubaix (FR)(72) Inventors: **Patrick-Gilles MAILLOT**, Marsanne
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Noyelles les Seclin (FR)(21) Appl. No.: **17/825,007**(22) Filed: **May 26, 2022**(30) **Foreign Application Priority Data**

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A system provides a network interface to electronic components. The system comprises a rack, having a plurality of rack stages, each of which is configured to receive a corresponding electronic component. One peripheral component interconnect express (PCIe) connector corresponds to each rack stage and is connectable to the corresponding electronic component when received in the rack stage. The PCIe connectors are assembled in a PCIe connector group. Each PCIe connector of the PCIe connector group has a same number of active serial links. The system also comprises a network adaptor that provides a serial link termination for each active serial link of the PCIe connector group. The network adaptor comprises a communication interface for communicating with a network. The network adaptor is configured to multiplex signals exchanged between the network and the PCIe connectors of the PCIe connector group.

