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Hellmann et al.(10) **Pub. No.: US 2023/0231918 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **NETWORK FOR DATA TRANSMISSION**(52) **U.S. Cl.**(71) Applicant: **Phoenix Contact GmbH & Co. KG,**
Blomberg (DE)CPC **H04L 67/12** (2013.01); **H04L 67/34**
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ABSTRACT(21) Appl. No.: **18/019,251**(22) PCT Filed: **Aug. 2, 2021**(86) PCT No.: **PCT/EP2021/071529**

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The invention relates to a network for data transmission, in particular in automation technology, comprising several terminals (1-4), a common gateway (5) for the external connection of the network to an external data transmission network (6), data connections (Link1-Link4) between the gateway (5) and the terminals (1-4), as well as with several OPC-UA servers (8-11), wherein one of the OPC-UA servers (8-11) is in each case assigned to the individual terminals (1-4). The invention provides that a software component (12), which is configured to create one of the OPC-UA servers (8-11), is in each case stored in the individual terminals (1-4). The invention furthermore provides that the gateway (5) loads the software components (12) for creating the individual OPC-UA servers (8-11) from the terminals (1-4) and executes them in the gateway (5).

