



US 20220386496A1

(19) **United States**(12) **Patent Application Publication**  
**BONENFANT et al.**(10) **Pub. No.: US 2022/0386496 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **SYSTEM COMPRISING A RACK, WITH  
SUPPORT MEMBERS AND COMPONENTS  
INSERTABLE IN THE RACK AND  
CONNECTABLE VIA LIQUID CONNECTORS**(52) **U.S. CL.**  
CPC ..... **H05K 7/1487** (2013.01); **H05K 7/20772**  
(2013.01); **H05K 7/20272** (2013.01)(71) Applicant: **OVH**, Roubaix (FR)(72) Inventors: **Jules Hermann BONENFANT**, Lys  
Lez Lannoy (FR); **Valentin**  
**CARTIGNY**, Mons-en-Baroeul (FR)(21) Appl. No.: **17/749,451**(22) Filed: **May 20, 2022**(30) **Foreign Application Priority Data**

May 27, 2021 (EP) ..... 21305705.2

**Publication Classification**(51) **Int. CL.**  
**H05K 7/14** (2006.01)  
**H05K 7/20** (2006.01)(57) **ABSTRACT**

A system comprises a rack, a support member, and a component configured for being supported in the rack by the support member. The support member is selectively insertable in the rack and comprises a plate at its rear end, the plate extending at an angle from a direction of insertion of the support member in the rack, the support member further comprising a first liquid connector mounted to the plate. The component comprises a second liquid connector mounted on a rear edge of the component, the second liquid connector being connectable to the first liquid connector when the support member and the component are inserted in the rack. A method comprises mounting the first and second liquid connectors to the support member and to the component, respectively, inserting the support member to the rack, and inserting the component in the rack until both liquid connectors are connected.

