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(19) **United States**(12) **Patent Application Publication****Tung et al.**(10) **Pub. No.: US 2022/0386502 A1**(43) **Pub. Date: Dec. 1, 2022**(54) **GAS STORAGE DEVICE AND TWO-PHASE  
IMMERSION COOLING SYSTEM**(52) **U.S. Cl.**CPC ..... **H05K 7/203** (2013.01); **H05K 7/20327**  
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**ABSTRACT**(21) Appl. No.: **17/342,503**(22) Filed: **Jun. 8, 2021**(30) **Foreign Application Priority Data**

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A gas storage device includes a casing, a lift platform, a lift mechanism, a driving mechanism, an exhaust valve and a gas joint. The lift platform is movably disposed in the casing, wherein a gas storage space is between a bottom of the casing and the lift platform. The lift mechanism is disposed in the casing and connected to the lift platform. The driving mechanism is connected to the lift mechanism. The driving mechanism drives the lift mechanism to drive the lift platform to move. The exhaust valve is connected to the lift platform and communicates with the gas storage space. The gas joint is connected to the bottom of the casing and communicates with the gas storage space.

