

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2022/0361377 A1 Chu et al.

Nov. 10, 2022 (43) **Pub. Date:**

(54) IMMERSION COOLING SYSTEM AND ELECTRONIC APPARATUS HAVING THE

(71) Applicant: Wiwynn Corporation, New Taipei City

- (72) Inventors: Yu-Cheng Chu, New Taipei City (TW); Chin-Hao Hsu, New Taipei City (TW); Tsung-Han Li, New Taipei City (TW); Ting-Yu Pai, New Taipei City (TW)
- (73) Assignee: Wiwynn Corporation, New Taipei City (TW)
- (21) Appl. No.: 17/397,981
- (22)Filed: Aug. 9, 2021

(30)Foreign Application Priority Data

May 7, 2021 (TW) 110116494

Publication Classification

- (51) Int. Cl. H05K 7/20 (2006.01)
- U.S. Cl. (52)CPC H05K 7/20818 (2013.01); H05K 7/203 (2013.01); H05K 7/20318 (2013.01); H05K 7/20327 (2013.01); H05K 7/20154 (2013.01)

(57)ABSTRACT

An immersion cooling system including a rack and at least one immersion cooling module is provided. The immersion cooling module includes a chassis and a condensation pipeline. The chassis is slidably disposed on the rack and is adapted to accommodate a coolant. At least one heat generating component is adapted to be disposed in the chassis to be immersed in the liquid coolant. The condensation pipeline is disposed in the chassis and is located above the liquid coolant. In addition, an electronic apparatus having the immersion cooling system is also provided.

