



US 20220354020A1

(19) **United States**(12) **Patent Application Publication**
Purpus et al.(10) **Pub. No.: US 2022/0354020 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **MOUNTING SYSTEM FOR MOUNTING AN
ELEMENT TO AN AIRCRAFT SURFACE**(71) Applicant: **Carlisle Interconnect Technologies,
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WI (US)(21) Appl. No.: **17/640,682**(22) PCT Filed: **Sep. 8, 2020**(86) PCT No.: **PCT/US2020/049699**

§ 371 (c)(1),

(2) Date: **Mar. 4, 2022****Related U.S. Application Data**(60) Provisional application No. 62/896,911, filed on Sep.
6, 2019.**Publication Classification**(51) **Int. Cl.**
H05K 7/20 (2006.01)
B64C 1/36 (2006.01)**H01Q 1/28** (2006.01)**H01Q 1/42** (2006.01)**H01Q 3/36** (2006.01)**H01Q 21/06** (2006.01)**H01Q 21/28** (2006.01)(52) **U.S. Cl.**CPC **H05K 7/20436** (2013.01); **H05K 7/20409**
(2013.01); **H05K 7/20145** (2013.01); **B64C**
1/36 (2013.01); **H01Q 1/28** (2013.01); **H01Q**
1/42 (2013.01); **H01Q 3/36** (2013.01); **H01Q**
21/061 (2013.01); **H01Q 21/28** (2013.01)(57) **ABSTRACT**

An electronics system for an aircraft includes a mounting structure and a plate element mounted to the mounting structure with opposing face surfaces, a central region and side edge regions. A serpentine passage in the plate element contains alternating liquid slugs and vapor plugs along its length. The plate element is configured for gathering heat proximate the central region and moving the heat to the side edge regions. An electronic system is mounted on a face surface of the plate element and a heat dissipating structure is thermally coupled with the plate element and positioned along the side edge regions thereof for dissipating heat moved to the side edge regions. A cover structure covers the plate element and electronic system.

