

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2022/0377911 A1 Gavagnin et al.

(43) Pub. Date:

Nov. 24, 2022

(54) METHOD OF MANUFACTURING COMPONENT CARRIER AND COMPONENT CARRIER INTERMEDIATE PRODUCT

(71) Applicant: AT&S Austria Technologie & Systemtechnik Aktiengesellschaft, Leoben (AT)

(72) Inventors: Marco Gavagnin, Leoben (AT); Gernot Schulz, Graz (AT)

(21) Appl. No.: 17/817,256

(22) Filed: Aug. 3, 2022

Related U.S. Application Data

Continuation-in-part of application No. 15/929,330, filed on Apr. 27, 2020, now Pat. No. 11,430,703.

(30)Foreign Application Priority Data

May 7, 2019 (EP) 19173014.2

Publication Classification

(51) Int. Cl. H05K 3/46 (2006.01)

(52) U.S. Cl.

CPC H05K 3/4614 (2013.01); H05K 3/4632 (2013.01); H05K 2201/10378 (2013.01); H05K 2203/068 (2013.01)

(57)ABSTRACT

A component carrier intermediate product includes a first electrically-insulating layer structure; an at least partially uncured and patterned second electrically-insulating layer structure having recesses, wherein the recesses are filled by an electrically-conductive material; and a component carrier section arranged on the at least partially uncured and patterned second electrically-insulating layer structure.

