US 20220377892A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2022/0377892 A1**

GROß et al. (43) **Pub. Date: Nov. 24, 2022**

(54) **ELECTRICAL DEVICE, IN PARTICULAR INVERTER OR CONVERTER**

(71) Applicant: **SEW-EURODRIVE GMBH & CO. KG**, Bruchsal (DE)

(72) Inventors: **Werner GROß**, Karlsdorf-Neuthard (DE); **Martin SCHÖRNER**, Bruchsal (DE); **Thomas WETZEL**, Ubstadt-Weiher (DE); **Rolf JANZER**, Bruchsal (DE)

(73) Assignee: **SEW-EURODRIVE GMBH & CO. KG**, Bruchsal (DE)

(21) Appl. No.: **17/774,173**

(22) PCT Filed: **Oct. 19, 2020**

(86) PCT No.: **PCT/EP2020/025463**

§ 371 (c)(1),
(2) Date: **May 4, 2022**

(30) **Foreign Application Priority Data**

Nov. 4, 2019 (DE) 10 2019 007 614.1

Publication Classification

(51) **Int. Cl.**
H05K 1/14 (2006.01)
H05K 1/11 (2006.01)
H05K 7/20 (2006.01)

(52) **U.S. Cl.**
CPC ***H05K 1/14*** (2013.01); ***H05K 1/115*** (2013.01); ***H05K 7/209*** (2013.01); *H05K 2201/09154* (2013.01)

(57) **ABSTRACT**

An electrical device, e.g., an inverter or converter, includes a first and a second printed circuit board. The first printed circuit board includes protruding tab regions, and a respective tab region protrudes into a respective recess of the second printed circuit board. Contact pins, e.g., of one or more plug connector parts, protrude into holes of the second printed circuit board.