US 20220360097A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2022/0360097 A1**

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

(54) **WEARABLE DEVICE AND A DOCKING STATION**

(71) Applicant: **Suunto Oy**, Vantaa (FI)

(72) Inventors: **Mikko Sepänniitty**, Vantaa (FI); **Niko Tarnanen**, Vantaa (FI); **Eero Varjonen**, Vantaa (FI); **Ari Hurtta**, Vantaa (FI)

(21) Appl. No.: **17/740,715**

(22) Filed: **May 10, 2022**

(30) **Foreign Application Priority Data**

May 10, 2021 (FI) 20215558

Publication Classification

(51) **Int. Cl.**
H02J 7/00 (2006.01)
H01R 13/62 (2006.01)

(52) **U.S. Cl.**
CPC ***H02J 7/0044*** (2013.01); ***H02J 7/00034*** (2020.01); ***H01R 13/6205*** (2013.01); *A61B 5/681* (2013.01)

(57) **ABSTRACT**

There is provided a wearable device, comprising connectors comprising a first connector and a second connector for interfacing with another device and/or a charger; a first switch for connecting the first connector and the second connector to a battery charging circuit of the wearable device; a second switch for connecting the first connector and the second connector to a communication circuit of the wearable device; a control unit configured to: enable an electrical connection between the connectors and the battery charging circuit, when the first switch is closed and the second switch is open; and enable communication with another device for data transfer via the connectors, when the first switch is open and the second switch is closed.