



US 20240214161A1

(19) **United States**(12) **Patent Application Publication**  
**MURAKAMI**(10) **Pub. No.: US 2024/0214161 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **WIRELESS DEVICE AND SENSING METHOD**(30) **Foreign Application Priority Data**

Jul. 9, 2021 (JP) ..... 2021-114138

(71) Applicant: **Panasonic Intellectual Property Corporation of America**, Torrance, CA (US)**Publication Classification**(51) **Int. Cl.**  
**H04L 5/00** (2006.01)(52) **U.S. Cl.**  
CPC ..... **H04L 5/0053** (2013.01); **H04L 5/0007** (2013.01)(21) Appl. No.: **18/576,631**(57) **ABSTRACT**(22) PCT Filed: **May 10, 2022**

This wireless device comprises: a wireless unit that carries out wireless communication by frame units having a first resource group divided in a frequency direction and a second resource group divided in a time direction; and a control unit that selects, from the first and second resource groups included in the frame units, a resource to be used for sensing.

(86) PCT No.: **PCT/JP2022/019838**

§ 371 (c)(1),

(2) Date: **Jan. 4, 2024**