

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0231664 A1 HANDTE et al.

Jul. 20, 2023 (43) Pub. Date:

(54) COMMUNICATION DEVICES AND **METHODS**

(71) Applicant: Sony Group Corporation, Tokyo (JP)

(72) Inventors: **Thomas HANDTE**, Stuttgart (DE); Dana CIOCHINA, Stuttgart (DE);

Rajarishi DEVARAJAN, Stuttgart

Assignee: Sony Group Corporation, Tokyo (JP)

18/000,688 (21) Appl. No.:

(22) PCT Filed: May 31, 2021

PCT/EP2021/064512 (86) PCT No.:

§ 371 (c)(1),

Dec. 5, 2022 (2) Date:

(30)Foreign Application Priority Data

Jun. 12, 2020	(EP)	 20179630.7
Oct. 2, 2020	(EP)	 20199873.9

Publication Classification

(51) Int. Cl.

H04L 1/1867 (2006.01)H04W 74/08 (2006.01)

U.S. Cl.

CPC H04L 1/1887 (2013.01); H04W 74/0816 (2013.01)

(57)**ABSTRACT**

A communication device is configured to communicate with a second communication device, the communication device comprising circuitry configured to transmit one or more data frames to the second communication device that require a response by he second communication device, listen to a first response acknowledging receipt of at least one of the one or more data frames from he second communication device, and, if a first response is not received, change transmit opportunity configuration and/or channel access for non-data frames and/or data frames.

