

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0232273 A1 MANDELLI et al.

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

(54) ALLOCATING RESOURCES FOR COMMUNICATION AND SENSING **SERVICES**

(52) U.S. Cl. CPC ... H04W 28/0268 (2013.01); H04W 28/0925 (2020.05); **H04W 28/0967** (2020.05)

(71) Applicant: **NOKIA SOLUTIONS AND**

NETWORKS OY, Espoo (FI)

(57)ABSTRACT

(72) Inventors: Silvio MANDELLI, Ludwigsburg

(DE); Mark DOLL, Stuttgart (DE); Maximilian ARNOLD, Murrhardt (DE); Thorsten WILD, Stuttgart (DE)

(21) Appl. No.: 18/098,558

(22)Filed: Jan. 18, 2023

(30)Foreign Application Priority Data

Publication Classification

(51) Int. Cl.

H04W 28/02 (2006.01)H04W 28/08 (2006.01) An apparatus comprising at least one processor and at least one memory including computer program code, the at least one memory and the computer program code being configured to, with the at least one processor, cause the apparatus at least to perform determining, per a communication service to which resources are to be allocated, a metric value using a first predefined set of rules, determining, per a sensing service to which resources are to be allocated, a metric value using a second predefined set of rules, sorting communication services to which resources are to be allocated and sensing services to which resources are to be allocated based on the metric values to a sorted order using a third rule, and allocating resources for the communication services and the sensing services based on the sorted order.

Determine, per communication service, metric value using first predefined set of rules

Determine, per sensing service, metric value using second predefined set of rules

Sort communication services and sensing services based on metric values using third rule

Allocate resources for communication services and sensing services based on sorted order

203

201

202

204