



US 20230232455A1

(19) **United States**

(12) **Patent Application Publication**
Kiilerich Pratas et al.

(10) **Pub. No.: US 2023/0232455 A1**

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

(54) **ENHANCED CARRIER SELECTION**

(30) **Foreign Application Priority Data**

(71) Applicant: **Nokia Technologies Oy**, Espoo (FI)

Jun. 29, 2020 (FI) 20205694

(72) Inventors: **Nuno Manuel Kiilerich Pratas**,
Gistrup (DK); **Lianghai Ji**, Aalborg
(DK); **Jakob Lindbjerg Buthler**,
Aalborg (DK); **Ling Yu**, Kauniainen
(FI); **Carlos Santiago Morejon Garcia**,
Aalborg (DK); **Rasmus Liborius**
Bruun, Nørresundby (DK)

Publication Classification

(51) **Int. Cl.**
H04W 74/08 (2006.01)

(52) **U.S. Cl.**
CPC **H04W 74/0816** (2013.01)

(57) **ABSTRACT**

Apparatus and method in a communication system for enhanced carrier selection are provided. The solution comprises selecting a carrier for first transmission to a second apparatus; controlling transmission utilising the selected carrier; receiving a transmission from the second apparatus and selecting a carrier for second transmission to the second apparatus at least partly based on the transmission from the second apparatus.

(21) Appl. No.: **18/011,352**

(22) PCT Filed: **Jun. 10, 2021**

(86) PCT No.: **PCT/EP2021/065587**

§ 371 (c)(1),

(2) Date: **Dec. 19, 2022**

