

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
25 July 2024 (25.07.2024)



(10) International Publication Number
WO 2024/152294 A1

(51) International Patent Classification:
H04W 28/02 (2009.01)

Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong
518057 (CN).

(21) International Application Number:
PCT/CN2023/073110

(74) Agent: **BEYOND ATTORNEYS AT LAW**; F6, Xijin
Centre, 39 Lianhuachi East Rd., Haidian District, Beijing
100036 (CN).

(22) International Filing Date:
19 January 2023 (19.01.2023)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE,
KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU,
LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG,
NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS,
RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA,
ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant: **ZTE CORPORATION** [CN/CN]; ZTE Plaza,
Keji Road South, Hi-Tech Industrial Park, Nanshan, Shen-
zhen, Guangdong 518057 (CN).

(72) Inventors: **CHEN, Lin**; ZTE Plaza, Keji Road South
Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong
518057 (CN). **WANG, Mengzhen**; ZTE Plaza, Keji Road
South Hi-Tech Industrial Park, Nanshan, Shenzhen, Guang-
dong 518057 (CN). **DU, Weiqiang**; ZTE Plaza, Keji Road
South Hi-Tech Industrial Park, Nanshan, Shenzhen, Guang-
dong 518057 (CN). **XU, Wanfu**; ZTE Plaza, Keji Road
South Hi-Tech Industrial Park, Nanshan, Shenzhen, Guang-
dong 518057 (CN). **QI, Tao**; ZTE Plaza, Keji Road South

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,

(54) Title: DATA SPLITTING FOR MULTI-PATH TRANSMISSIONS

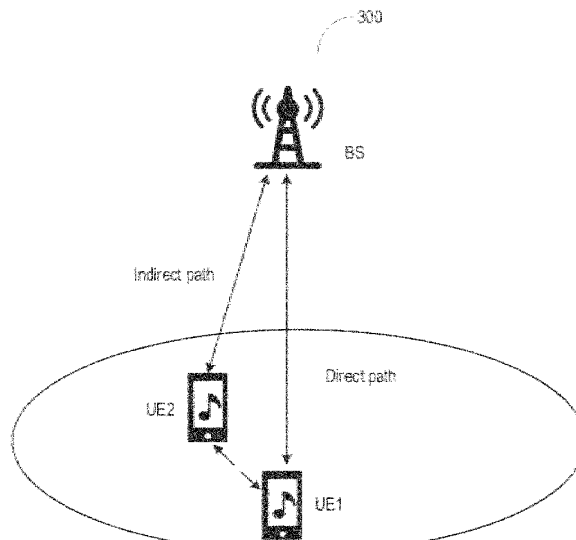


FIG. 3

(57) Abstract: Presented are systems, methods, apparatuses, or computer-readable media for splitting data for multi-path transmissions. A first wireless communication device may receive, from a wireless communication node, information for a first path or a second path. The first wireless communication device may determine to split the data transmission via the first path or the second path.

[Continued on next page]

RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))