

Title (en)  
VARYING A RATE OF ELICITING MIMO TRANSMISSIONS FROM WIRELESS COMMUNICATION DEVICES

Title (de)  
VARIIEREN EINER RATE ZUM HERVORRUFEN VON MIMO-ÜBERTRAGUNGEN VON DRAHTLOSEN KOMMUNIKATIONSVORRICHTUNGEN

Title (fr)  
VARIATION D'UN DÉBIT DE DÉCLENCHEMENT DE TRANSMISSIONS MIMO À PARTIR DE DISPOSITIFS DE COMMUNICATION SANS FIL

Publication  
**EP 4348855 A1 20240410 (EN)**

Application  
**EP 22809989 A 20220512**

Priority  
• US 202117328479 A 20210524  
• CA 2022050749 W 20220512

Abstract (en)  
[origin: WO2022246539A1] In a general aspect, a rate at which MIMO transmissions are elicited from wireless communication devices is varied. A first wireless communication device may be configured to wirelessly transmit a first set of messages at a first transmission rate to a second wireless communication device. The first wireless communication device may further be configured to receive MIMO transmissions from the second wireless communication device. The first wireless communication device may additionally be configured to generate first channel information based on respective training fields in each of the first MIMO transmissions; determine a rate at which the first channel information is generated; vary the first transmission rate to a second, different transmission rate based on the rate at which the first channel information is generated; and wirelessly transmit a second set of messages at the second transmission rate to the second wireless communication device.

IPC 8 full level  
**H04B 7/0417** (2017.01); **G01S 11/00** (2006.01); **H04W 52/42** (2009.01)

CPC (source: EP)  
**G01S 7/006** (2013.01); **G01S 13/003** (2013.01); **H04B 7/0413** (2013.01); **H04L 1/0026** (2013.01); **H04L 1/0027** (2013.01); **H04W 52/0216** (2013.01); **H04W 52/0229** (2013.01); **H04W 52/0235** (2013.01); **H04W 52/0274** (2013.01); **H04W 52/028** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022246539 A1 20221201**; CA 3219662 A1 20221201; CN 117730486 A 20240319; EP 4348855 A1 20240410; EP 4348855 A4 20241002

DOCDB simple family (application)  
**CA 2022050749 W 20220512**; CA 3219662 A 20220512; CN 202280051905 A 20220512; EP 22809989 A 20220512