Title (en)
BEAMFORMING TRAINING IN ORTHOGONAL RFEQUENCY DIVISION MULTIPLE ACCESS (OFDMA) COMMUNICATION SYSTEMS

Title (de)
STRAHLFORMUNGSTRAINING IN OFDMA-KOMMUNIKATIONSSYSTEMEN

Title (fr)
APPRENTISSAGE DE FORMATION DE FAISCEAUX DANS DES SYSTÈMES DE COMMUNICATION À ACCÈS MULTIPLE PAR RÉPARTITION EN FRÉQUENCE ORTHOGONALE (OFDMA)

Publication
EP 3289720 A2 20180307 (EN)

Application
EP 16730540 A 20160502

Priority
- US 201562156069 P 20150501
- US 201562204164 P 20150812
- US 201562244283 P 20151021
- US 201562255822 P 20151116
- US 201514961380 A 20151207
- US 2016030426 W 20160502

Abstract (en)
[origin: WO2016179100A2] A beamforming training packet is transmitted from a first communication device to multiple second communication devices. A trigger frame is generated at the first communication device to trigger an uplink orthogonal frequency division multiple access (OFDMA) transmission of beamforming training feedback from at least some of the multiple second communication devices. After transmission of the beamforming training packet by the first communication device, the trigger frame is transmitted to the at least some of the multiple communication devices. The uplink OFDMA transmission is then received at the first communication device. The uplink OFDMA transmission includes respective beamforming training feedback packets generated based on the beamforming training packet by respective ones of the at least some of the multiple second communication devices. The respective beamforming training feedback packets are simultaneously transmitted by the at least some of the multiple second communication devices.

IPC 8 full level
H04L 5/00 (2006.01); **H04L 27/26** (2006.01); **H04W 84/12** (2009.01)

CPC (source: EP US)
H04B 7/0619 (2013.01 - EP); **H04B 7/0695** (2013.01 - EP); **H04L 5/0048** (2013.01 - EP US); **H04L 5/0053** (2013.01 - EP); **H04L 5/0091** (2013.01 - EP); **H04L 27/2602** (2013.01 - EP US); H04L 5/0037 (2013.01 - EP); H04L 27/2603 (2021.01 - EP US)

Citation (search report)
See references of WO 2016179100A2

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

DOCDB simple family (publication)
WO 2016179100 A2 20161110; **WO 2016179100 A3 20161215**; CN 108028736 A 20180511; CN 108028736 B 20201211; EP 3289720 A2 20180307

DOCDB simple family (application)
US 2016030426 W 20160502; CN 201680035079 A 20160502; EP 16730540 A 20160502