Title (en)
METHOD FOR BIDIRECTIONAL DATA TRANSFER IN NARROWBAND SYSTEMS

Title (de)
VERFAHREN ZUR BIDIREKTIONALEN DATENÜBERTRAGUNG IN SCHMALBANDSYSTEMEN

Title (fr)
PROCÉDÉ DE TRANSMISSION DE DONNÉES BIDIRECTIONNELLE DANS UN SYSTÈME À BANDE ÉTROITE

Publication
EP 3689052 A1 20200805 (DE)

Application
EP 18773711 A 20180828

Priority
• DE 102017009035 A 20170927
• DE 102018000044 A 20180104
• EP 2018000418 W 20180828

Abstract (en)
[origin: CA3072116A1] The invention relates to a method for bidirectional data transmission, preferably taking place in a narrowband system, between a base station (101) and a terminal device (102), preferably a plurality of terminal devices (102), wherein the terminal device (102) and the base station (101) each have their own frequency reference unit and the data are transmitted between the base station (101) and the terminal device (102) over different frequencies, having the following method steps: a basic transmit frequency (201) is defined for transmitting data from the terminal device (102) to the base station (101); the terminal device (102) defines a terminal device transmit frequency (202) on the terminal device side for transmitting data from the terminal device (102) to the base station (101), wherein a frequency offset .DELTA.foffset exists between the basic transmit frequency (201) and the terminal device transmit frequency (202); the terminal device (102) opens a receive window to receive data originating from the base station (101), wherein the frequency offset .DELTA.foffset . is taken into account for the opening of the receive window; the base station (101) determines the terminal device transmit frequency (202); the base station (101) transmits data to the terminal device (102) on the basis of the determined terminal device transmit frequency (202).

IPC 8 full level
H04W 56/00 (2009.01)

CPC (source: EP KR US)
H01Q 1/2283 (2013.01 - US); **H04L 5/001** (2013.01 - US); **H04L 5/06** (2013.01 - US); **H04L 27/00** (2013.01 - EP); **H04L 27/2657** (2013.01 - US); **H04W 24/02** (2013.01 - KR US); **H04W 56/0015** (2013.01 - EP); **H04W 56/0035** (2013.01 - EP KR US); **H04W 72/23** (2023.01 - US); H04W 24/02 (2013.01 - EP)

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)
DE 102018000044 A1 20190328; **DE 102018000044 B4 20230420**; CA 3072116 A1 20190404; CN 111149395 A 20200512; CN 111149395 B 20220708; EP 3689052 A1 20200805; JP 2020535736 A 20201203; JP 7341129 B2 20230908; KR 102670868 B1 20240529; KR 20200058419 A 20200527; US 11265836 B2 20220301; US 2020213964 A1 20200702; WO 2019063119 A1 20190404

DOCDB simple family (application)
DE 102018000044 A 20180104; CA 3072116 A 20180828; CN 201880062997 A 20180828; EP 18773711 A 20180828; EP 2018000418 W 20180828; JP 2020517541 A 20180828; KR 20207008952 A 20180828; US 202016815238 A 20200311