

Title (en)

METHOD FOR DETECTING THE REACHABILITY OF A TERMINAL IN A COMMUNICATION NETWORK

Title (de)

VERFAHREN ZUR ERKENNUNG DER ERREICHBARKEIT EINES ENDGERÄTES IN EINEM KOMMUNIKATIONSNETZ

Title (fr)

PROCEDE DE DETECTION DE LA JOIGNABILITE D'UN TERMINAL DANS UN RESEAU DE COMMUNICATION

Publication

EP 4029349 A1 20220720 (FR)

Application

EP 20786312 A 20200904

Priority

- FR 1909922 A 20190910
- FR 2020051532 W 20200904

Abstract (en)

[origin: WO2021048487A1] The invention relates to a method and a device for detecting the reachability of a terminal previously served by a first access device in a registration area of a communications network, the area comprising the first access device, which is incapable of managing resting and waking periods of the terminal, and a second access device, which is capable of managing said periods. A terminal, in particular in the passive state, is unable to update its location until it wishes to transmit data. However, if a network apparatus wishes to transmit data to said terminal, it must be able to contact the terminal. It therefore needs to communicate with the terminal during a period when the latter starts listening and waking up. If the network apparatus thinks that the terminal is served by an access station that does not manage the resting and waking phases of the terminal, it does not attempt to communicate with the terminal during these phases. The detection method enables this problem to be solved and enables improvement in the awareness of the network apparatus regarding the availability of the terminal.

IPC 8 full level

H04W 76/28 (2018.01); **H04W 52/02** (2009.01); **H04W 68/02** (2009.01)

CPC (source: EP US)

H04W 28/18 (2013.01 - US); **H04W 52/0216** (2013.01 - EP US); **H04W 76/28** (2018.02 - EP US); **H04W 68/02** (2013.01 - EP); **Y02D 30/70** (2020.08 - 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)

FR 3100684 A1 20210312; EP 4029349 A1 20220720; US 12114260 B2 20241008; US 2023077257 A1 20230309; WO 2021048487 A1 20210318

DOCDB simple family (application)

FR 1909922 A 20190910; EP 20786312 A 20200904; FR 2020051532 W 20200904; US 202017642076 A 20200904