Title (en)

METHOD FOR SYNCHRONIZATION AND SYSTEM

Title (de)

VERFAHREN ZUR SYNCHRONISATION UND SYSTEM

Title (fr)

PROCÉDÉ DE SYNCHRONISATION ET SYSTÈME

Publication

EP 4078334 A1 20221026 (DE)

Application

EP 20815782 A 20201126

Priority

- DE 102019219971 A 20191218
- EP 2020083498 W 20201126

Abstract (en)

[origin: WO2021121896A1] The invention relates to a method for synchronization of a time system (28) of a main device (12) with a reference time system (30) of a reference device (14), wherein a light signal (22) is emitted using a light signal apparatus (20) of the reference device (14), a light signal section (24) of the light signal (22) being detected in at least one image (26) using a detection apparatus (18) of the main device (12), wherein the light signal section (24) can be associated with a point in time tHG of the time system (28) of the main device (12), the light signal (22) comprising a specified, time-dependent signal sequence (32, 32a, 32b) which has a defined reference to a point in time tRG of the reference time system (30), a time offset Δt (42, 42a, 42b) being determined from a comparison of the detected light signal section (24) with the specified time-dependent signal sequence (32, 32a, 32b) of the light signal (22), wherein a correction by the time offset Δt (42, 42a, 42b) is carried out for the purpose of synchronization. The invention also relates to a system (10) comprising at least one main device (12) and at least one reference device (14) for carrying out the method.

IPC 8 full level

G06F 1/14 (2006.01)

CPC (source: EP)

G06F 1/14 (2013.01)

Citation (search report)

See references of WO 2021121896A1

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)

DE 102019219971 A1 20210624; EP 4078334 A1 20221026; WO 2021121896 A1 20210624

DOCDB simple family (application)

DE 102019219971 A 20191218; EP 2020083498 W 20201126; EP 20815782 A 20201126