

Title (en)
SYSTEM FOR TRANSMITTING DATA BY MEANS OF OPTICAL RADIATION BY MEANS OF DIFFUSION BY POWER LINES AND ASSOCIATED METHOD

Title (de)
SYSTEM ZUR ÜBERTRAGUNG VON DATEN MITTELS OPTISCHER STRAHLUNG MITTELS DIFFUSION DURCH STROMLEITUNGEN UND ZUGEHÖRIGES VERFAHREN

Title (fr)
SYSTÈME DE TRANSMISSION DE DONNÉES AU MOYEN D'UN RAYONNEMENT OPTIQUE AU MOYEN D'UNE DIFFUSION PAR LIGNES ÉLECTRIQUES ET PROCÉDÉ ASSOCIÉ

Publication
EP 3729689 A1 20201028 (EN)

Application
EP 18782794 A 20180910

Priority
• CH 11232017 A 20170908
• IT 201700101065 A 20170908
• IB 2018056872 W 20180910

Abstract (en)
[origin: WO2019049090A1] A method for diffusing electronic data by means of an optical radiation, said method comprising: - a step of creating a data signal (s(t)) by means of the introduction and/or modulation thereon of electronic data; - a step of injection or cabled transmission of said data signal (s(t)) on a power network (400) of at least part of a building comprising at least one pair of power supply cables (F, N) electrically isolated from each other, wherein said injection or cabled transmission step occurs on a first point (399) of said power network; - a step of diffusing said data signal (s(t)) on said power network (400) of said at least part of building; - a step of receiving said data signal at a second point (401) of said power network of said at least part of said building, said second point being separated with respect to said first point (399); - a step of modulating an optical radiation (108) generated by at least one first optical transmitting module (199) by means of said data signal (s(t)), wherein, in said modulation, said data signal (s(t)) acts as modulating signal, wherein said first optical transmitting module (199) is installed at said second point with a cabled connection on said power network (400).

IPC 8 full level
H04B 10/116 (2013.01)

CPC (source: EP)
H04B 10/116 (2013.01)

Citation (search report)
See references of WO 2019049090A1

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 2019049090 A1 20190314; EP 3729689 A1 20201028

DOCDB simple family (application)
IB 2018056872 W 20180910; EP 18782794 A 20180910