

Title (en)
IN-TUNNEL SPEED REGULATOR MOVING LIGHTING SYSTEM AND METHOD

Title (de)
TUNNELINTERNES SYSTEM UND VERFAHREN ZUR BEWEGUNGSBELEUCHTUNG EINES GESCHWINDIGKEITSREGLERS

Title (fr)
SYSTÈME ET PROCÉDÉ D'ÉCLAIRAGE MOBILE À RÉGULATEUR DE VITESSE DANS UN TUNNEL

Publication
EP 4091151 A4 20221123 (EN)

Application
EP 21890374 A 20210323

Priority
TR 2021050255 W 20210323

Abstract (en)
[origin: WO2022203617A1] An in-tunnel speed regulator moving lighting system that ensures the creation of lights moving along the tunnel (T) at a certain speed on the ceilings of the highway tunnels (T) in the field of transportation, characterized in that, it comprises the following; LED tube luminaires (7) that are positioned on the right and left sides of the tunnel (T) ceiling along the tunnel (T) and creates the light arcs according to the vehicle speed along the tunnel (T) ceiling to be followed by the vehicles, LED tube power sources (9) that energizes LED tube luminaires (7), server control unit (2) that ensures controlling the scenario of turning on LED tube luminaires (7) and sends signals to the LED tube luminaires (7), DMX lighting automation module (4) that receives signals from the server control unit (2) and transmits the same to LED tube luminaires (7), core lighting automation module (3) that ensures to control LED tube luminaires (7) over the server control unit (2), as well as creates the necessary interface to integrate with automation, signal booster (5) that ensures to transmit the automation signals that may weaken at long distances by boosting, power source (6) that provides the energy of the signal booster (5) on the lighting line and other elements in the system.

IPC 8 full level
G08G 1/095 (2006.01); **F21S 8/00** (2006.01); **G08G 1/052** (2006.01)

CPC (source: EP)
G08G 1/052 (2013.01); **G08G 1/095** (2013.01); **F21S 8/00** (2013.01)

Citation (search report)
• [I] WO 2020165477 A1 20200820 - SACYR CONCESIONES SL [ES]
• [I] CN 106652561 A 20170510 - UNIV PLA 3RD MILITARY MEDICAL
• [A] WO 2020013783 A2 20200116 - HERA EGLENC VE MIMARI AYDINLATMA SISTEMLERI IC VE DIS TICARET ANONIM SIRKETI [TR]
• See also references of WO 2022203617A1

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)
WO 2022203617 A1 20220929; EP 4091151 A1 20221123; EP 4091151 A4 20221123

DOCDB simple family (application)
TR 2021050255 W 20210323; EP 21890374 A 20210323