

Title (en)
SMART GATE

Title (de)
INTELLIGENTES TOR

Title (fr)
GRILLE INTELLIGENTE

Publication
EP 3882873 A1 20210922 (EN)

Application
EP 21163465 A 20210318

Priority
KR 20200033704 A 20200319

Abstract (en)
A smart gate includes a door frame installed on a structure; an access door for opening and closing an opening formed inside the structure; a door hinge rotatably coupling the door frame and the access door; a handle disposed on the access door; a door display disposed on the access door; A cable connector disposed between the door frame and the access door; and a power cable receiving power from the outside of the access door and providing power to the handle and door display, the power cable is inserted into the access door through the cable connector, and is connected to the handle and the door display. the present disclosure has the advantage of providing power and control signals to the access door of a rotatable structure, since the cable connector is installed on the door frame and the access door and the power cable and the control cable are connected to the handle and the door display through the cable connector.

IPC 8 full level
G07C 9/00 (2020.01); **E05B 47/00** (2006.01); **E06B 1/52** (2006.01)

CPC (source: EP KR)
E05B 5/003 (2013.01 - KR); **E05B 65/06** (2013.01 - KR); **E06B 1/528** (2013.01 - EP); **E06B 3/70** (2013.01 - EP); **E06B 11/02** (2013.01 - KR); **G07C 9/00174** (2013.01 - EP KR); **G07C 2009/00634** (2013.01 - EP)

Citation (applicant)
KR 100809044 B1 20080303 - ORIENTAL INTEGRATED ELECTRONIC [KR]

Citation (search report)
• [X] US 2017026555 A1 20170126 - HOYDA SERGE B [US], et al
• [X] US 2019280531 A1 20190912 - AHMED MOHAMMAD SIDDIQUE [US], et al
• [I] US 2017032594 A1 20170202 - CHANDLER JR EDMONDS H [US]

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)
EP 3882873 A1 20210922; CN 215565361 U 20220118; KR 20210117469 A 20210929

DOCDB simple family (application)
EP 21163465 A 20210318; CN 202120570912 U 20210319; KR 20200033704 A 20200319