

Title (en)
SMART ENTRYWAY

Title (de)
INTELLIGENTER EINGANG

Title (fr)
ENTRÉE INTELLIGENTE

Publication
EP 3845729 A1 20210707 (EN)

Application
EP 20216507 A 20201222

Priority
KR 20200000421 A 20200102

Abstract (en)
A smart entryway includes an entrance door assembly configured to allow users (e.g., residents) to enter and exit a first space (e.g., a residence) and a storage assembly configured to allow secondary users (e.g., deliverymen) in a second space (e.g., a porch) to store items for later retrieval by the users. A portion of the storage assembly may be optionally refrigerated or heated. A security assembly is provided between the entrance door assembly and the storage assembly. The security assembly includes an authentication device to authenticate users and secondary users and a locking device to unlock the storage assembly and the entrance door assembly upon authentication. The locking device is provided behind the authentication device and concealed from the second space. When a first door of the storage assembly accessible from the first space is opened, a second door of the storage assembly accessible from the second space is locked.

IPC 8 full level
A47G 29/14 (2006.01); **E05B 17/00** (2006.01); **E05B 17/22** (2006.01); **E05B 47/00** (2006.01); **E05B 63/00** (2006.01); **E05B 63/14** (2006.01); **E05B 65/00** (2006.01); **E06B 1/52** (2006.01); **E06B 1/68** (2006.01); **E06B 5/11** (2006.01); **E06B 7/34** (2006.01); **G07C 9/00** (2020.01); **E06B 1/62** (2006.01); **E06B 3/70** (2006.01)

CPC (source: CN EP KR)
A47G 29/141 (2013.01 - EP KR); **E05B 17/0083** (2013.01 - EP); **E05B 17/226** (2013.01 - EP); **E05B 47/0046** (2013.01 - EP); **E05B 63/0052** (2013.01 - EP); **E05B 63/143** (2013.01 - EP); **E05B 65/0003** (2013.01 - EP); **E05B 65/006** (2013.01 - KR); **E05B 65/06** (2013.01 - KR); **E05C 1/004** (2013.01 - KR); **E06B 1/524** (2013.01 - EP); **E06B 1/528** (2013.01 - EP); **E06B 1/68** (2013.01 - EP); **E06B 3/36** (2013.01 - CN); **E06B 3/72** (2013.01 - KR); **E06B 5/11** (2013.01 - EP); **E06B 7/34** (2013.01 - EP); **E06B 11/02** (2013.01 - KR); **G07C 9/00563** (2013.01 - EP); **G07C 9/00944** (2013.01 - CN); **G07C 9/20** (2020.01 - CN); **G07C 9/33** (2020.01 - CN); **G07C 9/37** (2020.01 - CN); **G07F 9/105** (2013.01 - CN); **G07F 17/12** (2013.01 - CN); **A47G 2029/145** (2013.01 - EP); **A47G 2029/146** (2013.01 - KR); **A47G 2029/147** (2013.01 - EP); **E06B 2001/622** (2013.01 - EP); **E06B 2003/7046** (2013.01 - EP)

Citation (applicant)
• KR 20200000421 A 20200102 - ROKIT HEALTHCARE INC [KR]
• KR 200357547 Y1 20040727
• KR 100809044 B1 20080303 - ORIENTAL INTEGRATED ELECTRONIC [KR]

Citation (search report)
• [YA] NL 1016630 C2 20020531 - SIEMENS NEDERLAND [NL]
• [YA] DE 19943041 A1 20010315 - GEZE GMBH [DE]
• [YA] US 2019231106 A1 20190801 - KAISERMAN DAVID J [US], et al
• [YA] DE 102005001628 A1 20060720 - DORMA GMBH & CO KG [DE]

Cited by
CN114562155A

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

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