

Title (en)  
SMART ENTRYWAY

Title (de)  
INTELLIGENTER EINGANG

Title (fr)  
ENTRÉE INTELLIGENTE

Publication  
**EP 3845732 A1 20210707 (EN)**

Application  
**EP 20216508 A 20201222**

Priority  
KR 20200000422 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  
**E06B 1/52** (2006.01); **A47G 29/00** (2006.01)

CPC (source: CN EP KR)  
**A47G 29/14** (2013.01 - KR); **A47G 29/141** (2013.01 - EP); **A47G 29/16** (2013.01 - CN); **A47G 29/20** (2013.01 - CN); **A47G 29/28** (2013.01 - CN); **E05B 9/00** (2013.01 - CN); **E05B 63/143** (2013.01 - CN); **E06B 1/52** (2013.01 - EP); **E06B 3/36** (2013.01 - CN); **E06B 3/70** (2013.01 - CN); **E06B 3/72** (2013.01 - KR); **E06B 5/11** (2013.01 - CN); **E06B 7/28** (2013.01 - CN); **E06B 11/02** (2013.01 - KR); **G07C 9/00563** (2013.01 - CN); **G07C 9/00896** (2013.01 - CN); **G07C 9/00904** (2013.01 - CN); **A47G 2029/145** (2013.01 - EP); **A47G 2029/146** (2013.01 - CN); **A47G 2029/147** (2013.01 - CN EP); **A47G 2029/148** (2013.01 - CN); **A47G 2400/08** (2013.01 - KR); **A47G 2400/12** (2013.01 - KR)

Citation (applicant)  
• KR 20200000422 A 20200102 - KOREA INST ENERGY RES [KR]  
• KR 200357547 Y1 20040727  
• KR 100809044 B1 20080303 - ORIENTAL INTEGRATED ELECTRONIC [KR]

Citation (search report)  
• [Y] FR 2772810 A3 19990625 - BROGSEER [FR]  
• [Y] NL 1016630 C2 20020531 - SIEMENS NEDERLAND [NL]  
• [YA] JP H0913807 A 19970114 - RIKO KOGYO KK  
• [Y] FR 2886668 A1 20061208 - BROGLIE IND SOC PAR ACTIONS SI [FR]

Cited by  
CN116696221A

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

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**EP 3845732 A1 20210707**; CN 113153104 A 20210723; KR 20210087314 A 20210712

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