

Title (en)  
Sliding door

Title (de)  
Schiebetür

Title (fr)  
Porte coulissante

Publication  
**EP 0985793 A2 20000315 (EN)**

Application  
**EP 99307143 A 19990909**

Priority  
• KR 19980037129 A 19980909  
• KR 19990006702 A 19990227

Abstract (en)  
A sliding door is disclosed. The sliding door has one or more door panels (2, 3, 4), and a sliding means being mounted to the door panels and allowing the door panels to slide. In the sliding means, a bracket (15') has a longitudinal stopper guide slot (19) and a guide groove (10). One or more sliding bars (15) individually have a longitudinal stopper guide slot (19) and a guide groove (16). One or more sliders (10) are inserted into the guide grooves, thus sliding within the guide grooves. Each slider has stoppers (12) disposed within the stopper guide slots. With such a sliding door configuration, an entrance through the opened sliding door is widened relative to known sliding doors, mass production of the door parts and installation of a sliding door becomes relatively easy, and walking and carrying baggage beyond the door are not impeded by door frames. <IMAGE>

IPC 1-7  
**E05D 15/06**; **A47K 3/30**

IPC 8 full level  
**A47K 3/34** (2006.01); **E05D 15/06** (2006.01); **E05D 15/08** (2006.01); **E05F 11/00** (2006.01); **E05F 17/00** (2006.01)

CPC (source: EP KR)  
**A47K 3/34** (2013.01 - EP); **E05D 15/0647** (2013.01 - EP); **E05D 15/08** (2013.01 - EP); **E05F 11/00** (2013.01 - KR); **E05D 15/0682** (2013.01 - EP); **E05F 17/004** (2013.01 - EP); **E05F 2017/005** (2013.01 - EP); **E05Y 2201/684** (2013.01 - EP); **E05Y 2800/122** (2013.01 - EP); **E05Y 2900/114** (2013.01 - EP); **E05Y 2900/14** (2013.01 - EP)

Citation (applicant)  
• US 4635699 A 19870113 - KAUFFMAN JAMES C [US], et al  
• US 2658571 A 19531110 - GUTH FREDERICK A, et al  
• US 1960860 A 19340529 - ALLEN EARLE F  
• US 5417272 A 19950523 - MARLOWE JAMES L [US], et al

Cited by  
US7246411B2; EP2369115A3; EP2777463A1; NL1042441B1; GB2460873A; GB2460873B; FR2817727A1; CN114876322A; US11332685B2; WO2019227120A1; WO2011020930A1; US9839330B2; US10213060B2; US11187020B2; US11229286B2; US11578754B2; US11933358B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0985793 A2 20000315**; **EP 0985793 A3 20010704**; CN 1250132 A 20000412; KR 100363036 B1 20021211; KR 20000012166 A 20000306; SG 81304 A1 20010619; TW 421692 B 20010211

DOCDB simple family (application)  
**EP 99307143 A 19990909**; CN 99118822 A 19990909; KR 19990006702 A 19990227; SG 1999004429 A 19990908; TW 88115599 A 19990908