

Title (en)
SECTIONAL DOOR

Publication
EP 0304642 B1 19920429 (DE)

Application
EP 88111958 A 19880725

Priority
• DE 3726699 A 19870811
• DE 3816985 A 19880518

Abstract (en)
[origin: DE3726699A1] Sectional door leaf which comprises a row of panels following one after the other and, in order to prevent the risk of finger jamming, is configured such that each panel exhibits, on its broad end side which is at the top when the door leaf is closed and faces the preceding panel, a surface region which is convex in section and, on its broad end side which is, in contrast, at the bottom and faces the following panel, a surface region which is concave in vertical section, with the result that in each case two adjacent panels, located opposite one another with a convex and a concave surface region, delimit a gap region which is defined by the hinge connection between the panels and is bordered in a correspondingly arcuate manner in vertical section, and that, in the course of their pivot movement about the apertaining articulation pin during the transition of the door leaf from its closed position into its open position, the mutually facing broad end sides move past one another such that the gap region, becoming shorter in the pivot direction, is maintained over at least part of the entire pivot angle.

IPC 1-7
E06B 3/48

IPC 8 full level
E05D 15/38 (2006.01); **E06B 3/48** (2006.01); **E06B 7/36** (2006.01); **E06B 9/02** (2006.01)

CPC (source: EP US)
E06B 3/485 (2013.01 - EP US); **E06B 7/362** (2013.01 - EP US); **E06B 7/367** (2013.01 - EP US)

Cited by
FR2776334A1; EP1887179A1; DE102005009265B4; DE102005023348B3; EP0943776A1; ES2258943A1; EP0608683A3; EP0370324A3; DE10337531B4; EP0394691A3; EP0370376A3; DE102004014182B4; DE10255729B3; EP1158131A1; DE102005051933B3; EP0666401A1; AT397411B; EP1344889A2; DE102007004081A1; DE102010006088A1; DE102016007222A1; WO9949168A1; EP1589180A2; EP0893568A2; EP2818622B1; WO03087508A1; US7454815B2; EP1048814A1; DE202014001122U1; EP2905411A1; EP2103771A2; EP1835118A2; EP1580393A2; FR2847934A1; EP2295700A2; US7946332B2; DE202005021943U1; DE202005021944U1; EP2136025A2; DE102008028678A1; DE202009018718U1; EP2586952A2; EP2682554A1; DE102012013256A1; DE102008028678B4

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0304642 A1 19890301; EP 0304642 B1 19920429; AT E75518 T1 19920515; DE 3726699 A1 19890223; DE 3726699 C2 19940519; DE 3726699 C3 19970717; DE 3726699 C5 20090528; DE 3816985 A1 19891130; DE 3816985 B4 20050105; DE 3870542 D1 19920604; DK 170350 B1 19950807; DK 446188 A 19890213; DK 446188 D0 19880810; ES 2031186 T3 19921201; FI 87252 B 19920831; FI 87252 C 19921210; FI 883724 A0 19880810; FI 883724 A 19890212; GR 3005052 T3 19930524; JP H01142188 A 19890605; JP H0819813 B2 19960228; NO 172299 B 19930322; NO 172299 C 19950112; NO 883479 D0 19880805; NO 883479 L 19890213; US 4893666 A 19900116

DOCDB simple family (application)
EP 88111958 A 19880725; AT 88111958 T 19880725; DE 3726699 A 19870811; DE 3816985 A 19880518; DE 3870542 T 19880725; DK 446188 A 19880810; ES 88111958 T 19880725; FI 883724 A 19880810; GR 920401380 T 19920629; JP 20102388 A 19880810; NO 883479 A 19880805; US 23029588 A 19880809