

Title (en)  
Lamellar shutter

Title (de)  
Lamellentor

Title (fr)  
Volet à lamelles

Publication  
**EP 1076144 B1 20040526 (DE)**

Application  
**EP 00115949 A 20000726**

Priority  
• DE 29913920 U 19990812  
• DE 20007665 U 20000427

Abstract (en)  
[origin: EP1076144A2] The slatted door consists of interlinked slats (6) forming an armored plate running along side guide rails.(1). The armored plate (5) is moved up and down by means of a drive mechanism for opening and closing. The movement is braked by a spring arrangement in the vertical rails on both sides of the door. Each rail has at least one pair of tension springs (15) on the inside and outside of the armored plate. The top ends (16) of the springs are supported on the building; the bottom, free ends (18) are joined in pairs by bridging arms (19) crossing the track of the armor plate.

IPC 1-7  
**E05D 13/00**; **E05D 15/24**; **E05F 15/16**

IPC 8 full level  
**E05D 13/00** (2006.01); **E05D 15/24** (2006.01); **E05F 15/16** (2006.01); **E06B 9/58** (2006.01); **E06B 9/62** (2006.01); **E05F 5/00** (2006.01)

CPC (source: EP)  
**E05D 13/006** (2013.01); **E05D 13/1215** (2013.01); **E05D 15/24** (2013.01); **E05F 5/00** (2013.01); **E06B 9/58** (2013.01); **E06B 9/62** (2013.01); **E05D 13/1223** (2013.01); **E05Y 2201/21** (2013.01); **E05Y 2201/242** (2013.01); **E05Y 2201/26** (2013.01); **E05Y 2201/266** (2013.01); **E05Y 2201/488** (2013.01); **E05Y 2800/21** (2013.01); **E05Y 2900/00** (2013.01); **E05Y 2900/106** (2013.01)

Cited by  
EP1467053A1; EP1447508A3; CN107597561A; EP3045643A1; US11661778B2; WO2004090272A1

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

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**EP 1076144 A2 20010214**; **EP 1076144 A3 20021106**; **EP 1076144 B1 20040526**; AT E267940 T1 20040615; DE 50006569 D1 20040701; PL 192446 B1 20061031; PL 341956 A1 20010226

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