

Title (en)  
Roller shutter

Title (de)  
Rolltor

Title (fr)  
Volet roulant

Publication  
**EP 0930416 A3 20020123 (DE)**

Application  
**EP 98124858 A 19981231**

Priority  
DE 19801367 A 19980116

Abstract (en)  
[origin: EP0930416A2] The top edge (2) of the flexible curtain-wall (1) is fixed to the top of the opening to be closed. The lifting shaft (4) is situated halfway up the curtain-wall and the lower (6) and upper (7) parts below and above the lifting shaft. The operating mechanism (5) positioned at the top edge of the curtain-wall has a main shaft (8) whose two ends (9,10) are joined to the ends of wind-up drive belts (11,12). The operating mechanism has an electric motor (15) preferably connected by a drive chain or toothed belt with the main shaft.

IPC 1-7  
**E06B 9/08**; **E06B 9/64**

IPC 8 full level  
**E06B 9/08** (2006.01); **E06B 9/64** (2006.01); **E06B 9/24** (2006.01)

CPC (source: EP)  
**E06B 9/08** (2013.01); **E06B 9/64** (2013.01); **E06B 2009/2458** (2013.01)

Citation (search report)

- [XY] FR 2211585 A1 19740719 - NIJMEGEN METAAL NV [NL]
- [XA] WO 9206268 A1 19920416 - ERIKSSON JENS FOERSAELJNING [SE]
- [Y] DE 7834714 U1 19790308
- [A] US 3814164 A 19740604 - KUSS R
- [A] US 3398779 A 19680827 - KUSS RALPH L
- [A] US 3306344 A 19670228 - YOUNGS WILBUR R

Cited by  
CN102392592A

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 0930416 A2 19990721**; **EP 0930416 A3 20020123**; **EP 0930416 B1 20030813**; DE 19801367 A1 19990722; DE 19801367 C2 20000127; DE 59809275 D1 20030918

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