

Title (en)  
Security barrier

Title (de)  
Absperreinrichtung

Title (fr)  
Barrière de sécurité

Publication  
**EP 0937821 A2 19990825 (DE)**

Application  
**EP 99109720 A 19960319**

Priority  
• AT 48695 A 19950320  
• EP 96905582 A 19960319

Abstract (en)  
The barrier arm (9) is mounted via a horizontal driving shaft (2) in a column(1), and swings upwards from the horizontal blocking position into the opening position. The counterbalancing spring (8) aiding the opening movement has an unstressed neutral position (0) between the blocking (S) and opening (F) positions. The neutral position can be between angles of 30 and 40 deg., and the spring can have outer and inner bodies on the column and turning with the shaft respectively, with an elastic insert between them. The inner body and the outer one enclosing it can have the same number of corners which are offset.

Abstract (de)  
Bei einer Absperreinrichtung für eine Fahrspur ist auf einer in einer Standsäule (1) gelagerten Antriebswelle (2) ein Sperrarm (9) angeordnet, der zwischen einer horizontalen Sperrstellung und einer nach oben gerichteten Freigabestellung verschwenkbar ist. Der Sperrarm (9) besteht aus einem transparenten Material und weist eine innere Beleuchtungseinrichtung (50) auf. <IMAGE>

IPC 1-7  
**E01F 13/06**

IPC 8 full level  
**E01F 13/02** (2006.01); **E01F 13/06** (2006.01); **E05F 1/12** (2006.01)

CPC (source: EP US)  
**E01F 13/028** (2013.01 - EP US); **E01F 13/06** (2013.01 - EP US); **E05F 1/12** (2013.01 - EP US)

Cited by  
DE10359383A1; US7263803B2

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**US 5813796 A 19980929**; AT 402311 B 19970425; AT A48695 A 19960815; DE 29620291 U1 19970507; DE 59604161 D1 20000217; DE 59610777 D1 20031120; DE 59610799 D1 20031204; EP 0760034 A1 19970305; EP 0760034 B1 20000112; EP 0937820 A2 19990825; EP 0937820 A3 20020213; EP 0937820 B1 20031029; EP 0937821 A2 19990825; EP 0937821 A3 20020213; EP 0937822 A2 19990825; EP 0937822 A3 20020213; EP 0937822 B1 20031015; WO 9629472 A2 19960926; WO 9629472 A3 19961031

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