

Title (en)  
A barrier

Title (de)  
Eine Absperrvorrichtung

Title (fr)  
Barrière

Publication  
**EP 1022392 A3 20020130 (EN)**

Application  
**EP 99650119 A 19991220**

Priority  
IE 990047 A 19990121

Abstract (en)  
[origin: EP1022392A2] A barrier (1) has a base unit (2) which is secured to the ground and a top unit (3) which may be connected at any one of four different orientations. An electronic controller (6) is mounted in a door (5) of the base unit (2) so that it may be easily accessed. A drive mechanism (35) is mounted in a modular manner in the top unit (3). It is mounted by virtue of a beam drive shaft (21) which is mounted by bearings (22) at each end to opposed side walls (20) of the top unit (3). The beam is connected to the drive shaft (21) in a symmetrical manner so that the barrier may be used for either the right side or the left side of a laneway. There is excellent support and balance in the drive mechanism because it is connected between support bearings of the beam drive shaft (21). A manual override is provided to release a clutch if an electrical fault arises. The beam has a shear plate (27) which yields to minimise damage to either the drive mechanism or a beam arm (30) in the event of an accidental impact against the beam. <IMAGE>

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

IPC 8 full level  
**E01F 13/04** (2006.01); **E01F 13/06** (2006.01)

CPC (source: EP)  
**E01F 13/06** (2013.01)

Citation (search report)

- [XY] US 4848175 A 19890718 - WEISS ADRIAN U [CH]
- [XAY] FR 2714683 A1 19950707 - ESCOTA [FR]
- [X] US 2826840 A 19580318 - BENJAMIN COOPER, et al
- [XA] EP 0438364 A1 19910724 - MIGNOT JEAN MARC [FR]
- [Y] US 3877174 A 19750415 - MCDONALD ROBERT R
- [Y] US 5035082 A 19910730 - BUTLER COLIN [US]
- [A] US 5398450 A 19950321 - CACICEDO PAULINO A [US]
- [A] US 5480121 A 19960102 - RICE GERALD [US], et al
- [A] US 3135062 A 19640602 - GUERCO JOHN J

Cited by  
DE102008017651A1; RU2760100C1; RU2763567C1; DE102010012148A1; CN108103998A; CN101956376A; GB2523405A; GB2523405B; KR100862694B1

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 1022392 A2 20000726; EP 1022392 A3 20020130; IE 991068 A1 20001004; IE S991069 A2 20001004**

DOCDB simple family (application)  
**EP 99650119 A 19991220; IE 991068 A 19991220; IE S991069 A 19991220**