

Title (en)  
Guard rail

Title (de)  
Schutzplankenordnung

Title (fr)  
Glissière de sécurité

Publication  
**EP 1061179 B1 20030611 (DE)**

Application  
**EP 99111496 A 19990614**

Priority  
EP 99111496 A 19990614

Abstract (en)  
[origin: EP1061179A1] The crash barrier consists of posts (4) which are fixed into the ground (3). W-profiled rails (7, 8) are attached to these by spacers (5, 6) at two different heights. The lower rails (7) project further towards the road than the higher ones (8). The spacers consist of two arms (10, 11, 12, 13) which are at an angle to each other. They have flanges (14) at the inner end which allow them to be attached to the post and a second set of flanges (15) which can be attached inside the grooves (16, 17) on the rails.

IPC 1-7  
**E01F 15/04**

IPC 8 full level  
**E01F 15/04** (2006.01)

CPC (source: EP)  
**E01F 15/043** (2013.01); **E01F 15/0438** (2013.01)

Cited by  
IT202100011477A1; EP2706145A3; CN113622342A; US6595715B1; EP2088247A3; EP1876299A1; US11674276B2; EP1630295A1; EP1876300A1; RU2485244C1; EP1640504A1; EP2792793A1; EP1690983A1; EP1640505A1

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 1061179 A1 20001220; EP 1061179 B1 20030611**; AT E242824 T1 20030615; DE 59905925 D1 20030717; DK 1061179 T3 20030915; ES 2201598 T3 20040316

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