

Title (en)
Safety barrier terminal for motorway guard-rail

Title (de)
Sicherheitsendanlage für Leitplanken

Title (fr)
Élément de sécurité de fin de barrière routière

Publication
EP 0924347 B1 20040225 (EN)

Application
EP 97830691 A 19971222

Priority
EP 97830691 A 19971222

Abstract (en)
[origin: EP0924347A1] A safety terminal (10) comprises a number of longitudinal segments (12a, 12b, 12c, ...) provided with elongated slots and fastened together in such a way as to be capable of sliding longitudinally over one another, with consequent absorption of energy, each segment being supported by an upright or post (18a, 18b, ...) made up of two half-posts connected together by breakable means having a preset breaking strength, the bottom half-post being buried in the ground; the said terminal moreover comprises a cable (30) between the bottom half-post (18') of the end post (18) and the top half-post (18'') of the adjacent post, the said cable (30) comprising a breakable plate having a preset breaking strength. Preferably the headpiece of the terminal comprises a restraining frame extended from a plate orthogonal to the longitudinal extent of the terminal. The new terminal enables good absorption of impact energy of a possible vehicle, whilst at the same time requiring reasonable costs for restoring.
<IMAGE>

IPC 1-7
E01F 15/14; **E01F 15/04**

IPC 8 full level
E01F 9/018 (2006.01); **E01F 15/04** (2006.01); **E01F 15/14** (2006.01)

CPC (source: EP KR)
E01F 15/04 (2013.01 - KR); **E01F 15/0461** (2013.01 - EP); **E01F 15/143** (2013.01 - EP)

Cited by
WO2010114693A1; EP1186714A3; CN112962496A; AU2016356558B2; AU2016356558C1; AU2002319609B2; AU2002319609B8; CN102428231A; US7758277B2; US10047488B2; US11674276B2; WO2017086806A1; US8905382B2; USRE47626E; WO03008712A1; US6729607B2; US8215619B2; US8360400B2

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

DOCDB simple family (publication)
EP 0924347 A1 19990623; **EP 0924347 B1 20040225**; AT E260373 T1 20040315; AU 2054599 A 19990712; BR 9807715 A 20000215; CA 2280017 A1 19990701; CN 1248307 A 20000322; DE 69727815 D1 20040401; DE 69727815 T2 20050113; DK 0924347 T3 20040726; EP 0968333 A1 20000105; ES 2215219 T3 20041001; JP 2001513160 A 20010828; KR 20000075573 A 20001215; PT 924347 E 20040730; WO 9932728 A1 19990701

DOCDB simple family (application)
EP 97830691 A 19971222; AT 97830691 T 19971222; AU 2054599 A 19981218; BR 9807715 A 19981218; CA 2280017 A 19981218; CN 98802701 A 19981218; DE 69727815 T 19971222; DK 97830691 T 19971222; EP 9808325 W 19981218; EP 98965283 A 19981218; ES 97830691 T 19971222; JP 53332699 A 19981218; KR 19997007633 A 19990823; PT 97830691 T 19971222