

Title (en)  
RESTRAINT SYSTEM FOR CARRIAGEWAYS

Title (de)  
RÜCKHALTESYSTEM FÜR FAHRBAHNEN

Title (fr)  
SYSTEME DE RETENUE POUR VOIES DE CIRCULATION

Publication  
**EP 1668188 A1 20060614 (DE)**

Application  
**EP 03767497 A 20031001**

Priority  
EP 0310878 W 20031001

Abstract (en)  
[origin: WO2005033414A1] The invention relates to a restraint system comprising posts that are fixed to the ground and crash barriers that are provided with integrated spacers and fixed to the posts, according to the preamble of patent claim 1. On the basis of the provisions of the BMV (RPS, RIZ etc.), protective steel barriers and railings are currently installed on expressways, motorways and especially on bridges. Since the DIN EN 1317 norm has been brought into force, said systems must be tested correspondingly. Conventional railing constructions do not meet the requirements of the test conditions, and must be reinforced, thus also fulfilling a protective barrier function, rendering separate protective barrier constructions superfluous on certain structures, especially road bridges. Profiled deformation elements and longitudinal bars are fixed to the posts on the traffic side. If a vehicle collides with the restraint system, the deformation profiled element is indented without affecting the post behind. If the profiled deformation element is completely indented in the lower region as a result of the collision, the force is transmitted to the post behind. Said known restraint systems are cost-intensive, heavy and do not meet the high safety requirements. The aim of the invention is thus to create a light and cost-effective restraint system, based on prior art, that fulfils the high safety requirements. To this end, the invention relates to a restraint system according to patent claim 1.

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

IPC 8 full level  
**E01D 19/10** (2006.01); **E01F 15/04** (2006.01)

CPC (source: EP)  
**E01D 19/103** (2013.01); **E01F 15/043** (2013.01); **E01F 15/0438** (2013.01)

Citation (search report)  
See references of WO 2005033414A1

Designated contracting state (EPC)  
AT DE FR

DOCDB simple family (publication)  
**WO 2005033414 A1 20050414**; AT E456704 T1 20100215; DE 50312389 D1 20100318; EP 1668188 A1 20060614; EP 1668188 B1 20100127

DOCDB simple family (application)  
**EP 0310878 W 20031001**; AT 03767497 T 20031001; DE 50312389 T 20031001; EP 03767497 A 20031001