

Title (en)
ENERGY ATTENUATING SAFETY SYSTEM

Title (de)
ENERGIEDÄMPFUNGS-SICHERHEITSSYSTEM

Title (fr)
SYSTEME DE SECURITE ATTENUATEUR D'IMPACT

Publication
EP 1706544 A1 20061004 (EN)

Application
EP 04813624 A 20041209

Priority
• US 2004041321 W 20041209
• US 52809203 P 20031209

Abstract (en)
[origin: WO2005068727A1] An energy absorbing system with one or more energy absorbing assemblies is provided to reduce or eliminate severity of a collision between a moving vehicle and a roadside hazard. The energy absorbing system may be installed adjacent various roadside hazards or may be installed on highway service equipment. One end of the system may face oncoming traffic. A collision by a motor vehicle with a sled assembly may result in shredding or rupturing of portions of an energy absorbing element to dissipate energy from the vehicle collision.

IPC 8 full level
E01F 15/14 (2006.01)

CPC (source: EP NO)
E01F 15/146 (2013.01 - EP NO)

Citation (search report)
See references of WO 2005068727A1

Cited by
EP4045718A4; US8414216B2; US8714866B2; US9458583B2; US9758937B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005068727 A1 20050728; AT E458867 T1 20100315; AU 2004313930 A1 20050728; AU 2004313930 B2 20100826; AU 2010206111 A1 20100826; AU 2010206111 B2 20130530; CA 2546137 A1 20050728; CA 2546137 C 20120911; CN 102108687 A 20110629; CN 102108687 B 20140604; CN 1890437 A 20070103; CN 1890437 B 20110706; CY 1111016 T1 20150611; DE 602004025744 D1 20100408; DK 1706544 T3 20100607; DK 2204496 T3 20150518; EP 1706544 A1 20061004; EP 1706544 B1 20100224; EP 2204496 A2 20100707; EP 2204496 A3 20131016; EP 2204496 B1 20150218; ES 2341548 T3 20100622; ES 2536227 T3 20150521; HK 1099795 A1 20070824; HK 1101976 A1 20071102; HK 1145195 A1 20110408; MX 343407 B 20161103; MX PA06006590 A 20060831; NO 20063151 L 20060911; NO 340610 B1 20170515; NZ 547307 A 20091030; PL 1706544 T3 20100730; PL 2204496 T3 20150831; SG 149821 A1 20090227; TW 200523434 A 20050716; TW I388707 B 20130311

DOCDB simple family (application)
US 2004041321 W 20041209; AT 04813624 T 20041209; AU 2004313930 A 20041209; AU 2010206111 A 20100804; CA 2546137 A 20041209; CN 200480036741 A 20041209; CN 201010624221 A 20041209; CY 101100431 T 20100514; DE 602004025744 T 20041209; DK 04813624 T 20041209; DK 10152311 T 20041209; EP 04813624 A 20041209; EP 10152311 A 20041209; ES 04813624 T 20041209; ES 10152311 T 20041209; HK 07103657 A 20070404; HK 07106754 A 20070625; HK 10111337 A 20101207; MX 2015000843 A 20041209; MX PA06006590 A 20041209; NO 20063151 A 20060707; NZ 54730704 A 20041209; PL 04813624 T 20041209; PL 10152311 T 20041209; SG 2009001538 A 20041209; TW 93138149 A 20041209