

Title (en)
ENERGY ATTENUATING SAFETY SYSTEM

Title (de)
ENERGIEDÄMPFUNGS-SICHERHEITSSYSTEM

Title (fr)
SYSTEME DE SECURITE ATTENUATEUR D'IMPACT

Publication
EP 1706544 B1 20100224 (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 (examination)
CA 1292905 C 19911210 - SYRO STEEL CO [US]

Cited by
EP4045718A4; US8414216B2; US8714866B2; US9458583B2; US9758937B2

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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

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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