

Title (en)

Under-ballast damping device for railroads

Title (de)

Schotterunterseitige Gleisdämpfungsvorrichtung

Title (fr)

Amortisseur pour voie ferrée installé en dessous du ballast

Publication

EP 1321577 A3 20040407 (EN)

Application

EP 02025275 A 20021113

Priority

IT MI20012404 A 20011114

Abstract (en)

[origin: EP1321577A2] An under-ballast damping device (1), specifically designed for railroads, comprising at least a flat element (2) made of an elastomeric material or a plastics material, comprising a substantially flat top surface (3) and a plurality of bottom ribs (4), defining cross recesses (5) for at least partially engaging therein respective damping section bars (6). <IMAGE>

IPC 1-7

E01B 1/00; E01B 19/00

IPC 8 full level

E01B 19/00 (2006.01); **E01B 1/00** (2006.01)

CPC (source: EP)

E01B 19/003 (2013.01); **E01B 1/001** (2013.01); **E01B 2204/01** (2013.01)

Citation (search report)

- [XY] FR 91197 E 19680426 - FRANCAIS ISOLANTS
- [X] DE 2751346 A1 19790523 - PHOENIX AG
- [Y] EP 0609729 A1 19940810 - SAAR GUMMIWERK GMBH [DE]
- [A] DE 2947844 A1 19810604 - LANGE KARL HEINZ ING GRAD
- [A] FR 1473337 A 19670317 - FRANCAIS ISOLANTS

Cited by

KR100757228B1; CN106812029A; CN106835860A; CN110468629A; AT414132B; CN106592343A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1321577 A2 20030625; **EP 1321577 A3 20040407**; **EP 1321577 B1 20060405**; AT E322578 T1 20060415; DE 60210403 D1 20060518; IT MI20012404 A1 20030514; PT 1321577 E 20060731

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