

Title (en)

Tilttable roof for railway goods wagons supported on support arms mounted at the endwalls.

Title (de)

Auf stirnwandseitigen Tragarmen abgestütztes Schwenkdach für Eisenbahngüterwagen.

Title (fr)

Toit basculant pour des wagons de marchandises supporté par des bras de support montés aux parois d'extrémité.

Publication

EP 0560152 B1 19950329 (DE)

Application

EP 93103187 A 19930227

Priority

DE 4207287 A 19920307

Abstract (en)

[origin: EP0560152A1] The invention relates to a tilttable roof (5), supported on end wall-side support arms (6), for railway goods wagons whose freight hole consists of at least two funnel-shaped chambers (1), the tilttable roof (5) being tilttable, by means of an actuation element, out of the closed state towards one longitudinal side of the vehicle counter to the force of a spring (15). The objective of the invention consisted in finding an actuation device for tilttable roofs (5) of the aforesaid type, which device ensures, with simple means, a non-forced tilting of the tilttable roof (5) and an economical design which is not prone to faults. According to the invention, this is achieved in that the actuation element consists of a lever (9) which is attached to the tilttable roof (5) approximately in the longitudinal centre and is mounted with its other end on the wagon body of the railway goods wagon in an articulated fashion and can be acted on by a drive (12) in order to tilt the tilttable roof (5). <IMAGE>

IPC 1-7

B61D 39/00

IPC 8 full level

B61D 39/00 (2006.01)

CPC (source: EP KR)

B61D 39/00 (2013.01 - KR); **B61D 39/001** (2013.01 - EP)

Cited by

CN102795234A; RU209739U1; RU2631760C2; WO2017101603A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

EP 0560152 A1 19930915; EP 0560152 B1 19950329; AT E120413 T1 19950415; CZ 22593 A3 19931117; CZ 280896 B6 19960515; DE 4207287 A1 19930909; DE 59300112 D1 19950504; ES 2072780 T3 19950716; FI 107038 B 20010531; FI 930932 A0 19930303; FI 930932 A 19930908; HR P930260 A2 19951231; HR P930260 B1 19971031; HU 210271 B 19950328; HU 9300621 D0 19930528; HU T65529 A 19940628; KR 930019495 A 19931018; NO 930449 D0 19930209; NO 930449 L 19930908; PL 170734 B1 19970131; PL 297959 A1 19930920; RO 113963 B1 19981230; SI 9300069 A 19930930; SK 12493 A3 19931006; SK 280727 B6 20000711

DOCDB simple family (application)

EP 93103187 A 19930227; AT 93103187 T 19930227; CZ 22593 A 19930218; DE 4207287 A 19920307; DE 59300112 T 19930227; ES 93103187 T 19930227; FI 930932 A 19930303; HR P930260 A 19930305; HU 9300621 A 19930305; KR 930002374 A 19930220; NO 930449 A 19930209; PL 29795993 A 19930305; RO 9300299 A 19930304; SI 9300069 A 19930210; SK 12493 A 19930222