

Title (en)  
HINGE

Publication  
**EP 0110824 B1 19870610 (DE)**

Application  
**EP 83810507 A 19831103**

Priority  
CH 693182 A 19821130

Abstract (en)  
[origin: EP0110824A2] 1. Hinge as articulated connection between a side wall (1) and a flap (2) of a railway truck for the reception of freight, where the profiles of the side wall (1) and of the flap (2) have longitudinal grooves (6, 7) in each of which a part (10, 11) of the hinge (5) is displaceably arranged, and the hinge parts (10, 11) are connected by a pivot bolt (15), characterised in that the longitudinal grooves (6, 7) are undercut forming an abutment shoulder (29), the side wall (1) and the flap (2) are arranged at a distance (a) from one another which accommodates the hinge parts (10, 11) and the pivot bolt (15), and into the projections (8, 9) forming the fork (10) of the hinge (5) and into the tongue (11) of the hinge (5) there is formed in each case a blind hole (20) for the reception of a threaded pin (21, 32) which engages through an opening (23) in the bottom (24) of the blind hole (20) in the undercut groove (6, 7) and there penetrates a square nut (28, 33) abutting on the abutment shoulder (29), while at the other end a head (22) formed on the threaded pin (21, 32) is supported against a shoulder (27) at the bottom (24) of the blind hole (20).

IPC 1-7  
**E05D 5/02**

IPC 8 full level  
**E05D 5/02** (2006.01)

CPC (source: EP)  
**E05D 5/0238** (2013.01); **E05Y 2900/146** (2013.01); **E05Y 2900/516** (2013.01)

Citation (examination)

- DE 3021334 A1 19811217 - KELLER ERNST
- US 3788110 A 19740129 - SUGAE K
- DE 2606557 A1 19770825 - DOM SICHERHEITSTECHNIK [DE]
- DE 1553388 B2 19730927

Cited by  
DE3539660A1; GB2209189A; GB2209189B; EP3667005A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU SE

DOCDB simple family (publication)  
**EP 0110824 A2 19840613; EP 0110824 A3 19840711; EP 0110824 B1 19870610**; AT E27722 T1 19870615; AU 2109783 A 19840607; CA 1217612 A 19870210; DE 3245640 A1 19840530; DE 3372004 D1 19870716; ES 276057 U 19841001; ES 276057 Y 19850401; NO 834360 L 19840601; ZA 838273 B 19840725

DOCDB simple family (application)  
**EP 83810507 A 19831103**; AT 83810507 T 19831103; AU 2109783 A 19831109; CA 442118 A 19831129; DE 3245640 A 19821209; DE 3372004 T 19831103; ES 276057 U 19831130; NO 834360 A 19831128; ZA 838273 A 19831107