

Title (en)  
Brake shoe shifting device

Title (de)  
Bremsklotz-Umstellvorrichtung

Title (fr)  
Dispositif de déplacement d'un sabot de frein

Publication  
**EP 0899177 B1 20020731 (DE)**

Application  
**EP 97109631 A 19970613**

Priority  
EP 97109631 A 19970613

Abstract (en)  
[origin: EP0899177A1] The brake shoe transposition device includes carrier brackets (2, 2') for the brake block shoes (4, 4') and mounting journals (6, 6') able to be moved in a hollow brake triangle (8). The journals are connected by a locking crankshaft (17) inside the triangle and can be forced into their end positions by locking springs (19, 19'). The suspension of the shoes from the wagon box, depending on the travelling track, is achieved by hanging brake shoe suspension bars with ball bolts, or by movement on the bolt and carriers in the brake shoe.

IPC 1-7  
**B61H 1/00**; **B61H 9/00**; **B61F 7/00**

IPC 8 full level  
**B61F 7/00** (2006.01); **B61H 1/00** (2006.01); **B61H 9/00** (2006.01)

CPC (source: EP)  
**B61F 7/00** (2013.01); **B61H 1/00** (2013.01); **B61H 9/00** (2013.01)

Cited by  
CN106915361A; EP2783940A1; CN107628059A; CN104960542A; CN110920662A; CN109501831A; US11590991B2; KR20210018596A; WO2020006821A1

Designated contracting state (EPC)  
DE ES FI FR PT SE

DOCDB simple family (publication)  
**EP 0899177 A1 19990303**; **EP 0899177 B1 20020731**; DE 59707866 D1 20020905; ES 2179245 T3 20030116; NO 973084 D0 19970702; NO 973084 L 19981214; PT 899177 E 20021129

DOCDB simple family (application)  
**EP 97109631 A 19970613**; DE 59707866 T 19970613; ES 97109631 T 19970613; NO 973084 A 19970702; PT 97109631 T 19970613