

Title (en)
Supporting device for railway rails

Title (de)
Einrichtung zum Lagern von Schienen

Title (fr)
Dispositif de support pour rails de chemin de fer

Publication
EP 0557716 B1 19960228 (DE)

Application
EP 93100851 A 19930121

Priority
• DE 4206207 A 19920228
• DE 4220799 A 19920625

Abstract (en)
[origin: EP0557716A1] The supporting device for rails (1) of a track installation for rail vehicles with bearing plate (3) and bearing bed (6) has a profiling which has a number of flanks (4a, 7a, 5a, 8a) with different angles, the flanks (4a, 7a, 5a, 8a) running in the longitudinal direction of the track installation. Arranged between the flanks (4a, 7a, 5a, 8a) of bearing plate (3) and bearing bed (6) are elastic elements (9a, 9b, 9c, 9d) which, when loading (PH, PV) arises, make possible a pivoting process of the bearing plate (3) in relation to the bearing bed (6). In this case, the bearing plate (3) leans towards the centre of the track installation. The rail head (1d) of the rail (1) fastened on the bearing plate (3) is likewise essentially vertically displaced during the pivoting process, the gauge of the track installation nevertheless not changing. <IMAGE>

IPC 1-7
E01B 9/68; **E01B 1/00**

IPC 8 full level
E01B 1/00 (2006.01); **E01B 2/00** (2006.01); **E01B 9/68** (2006.01)

CPC (source: EP US)
E01B 2/003 (2013.01 - EP US); **E01B 9/62** (2013.01 - EP US); **E01B 2204/01** (2013.01 - EP US); **E01B 2204/12** (2013.01 - EP US)

Cited by
CN103603237A; EP3418448A1; DE19746587C1; EP0751257A3; CN102296493A; EP2363529A3

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0557716 A1 19930901; **EP 0557716 B1 19960228**; DE 4220799 A1 19930902; DE 59301695 D1 19960404; US 5346131 A 19940913

DOCDB simple family (application)
EP 93100851 A 19930121; DE 4220799 A 19920625; DE 59301695 T 19930121; US 1023193 A 19930128