

Title (en)

A RAILWAY WHEEL/RAIL NOISE AND WEAR REDUCTION ARRANGEMENT

Title (de)

ANORDNUNG ZUR REDUZIERUNG VON SCHIENENFAHRZEUGRAD-/SCHIENENLÄRM UND -VERSCHLEISS

Title (fr)

DISPOSITIF DE REDUCTION DE BRUIT ET D'USURE DE ROUE/RAIL DE CHEMIN DE FER

Publication

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Application

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Priority

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- SE 0003771 A 20001018

Abstract (en)

[origin: WO0233173A1] A railway wheel/rail squeal suppression, wheel/rail noise reduction and wear reduction arrangement includes a separate structure (14) carried by a rail. The separate structure has a saddle-like profile including a web portion (15) defining a running surface for supporting the wheel, and two flange portions (16a, 16b). The saddle-like profile is shaped substantially in conformity with the shape of the railhead, is located on top it and is mechanically de-coupled therefrom. Resilient means (17) is interposed between the web portion and the railhead (13). The web portion (15) has a thickness not less than about twice the thickness of the flange portions so as to resist detrimental compression of the resilient means (17) and transfer only a portion of wheel load to the rail, and the flange portions (16a, 16b) are connected to the rail so as to transfer a remaining wheel load thereto.

IPC 8 full level

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