

Title (en)  
REDUCED RADIATED-NOISE RAIL

Title (de)  
SCHIENE MIT GERINGEREM ABGESTRAHLTEN LUFTSCHALLPEGEL

Title (fr)  
RAIL A FAIBLE NIVEAU DE RADIATION SONORE

Publication  
**EP 0815324 B1 20010620 (DE)**

Application  
**EP 96902807 A 19960305**

Priority  
• AT 9600040 W 19960305  
• AT 52795 A 19950324

Abstract (en)  
[origin: WO9630592A1] The invention relates to a profiled rail (1), especially for a railway track, with a reduced total radiated noise level when in use. In order to reduce the noise radiation level, at least one web side surface (31) is substantially concavely rounded without any salient points in the lower region (31') between the transition edge (32) on the side of the rail patten (3) and the centre of gravity axis (X) in the rail cross-section and/or the height (H) of the pattern is increased by comparison with a normally profiled rail having a corresponding total rail height A.

IPC 1-7  
**E01B 5/02**

IPC 8 full level  
**E01B 5/02** (2006.01)

CPC (source: EP US)  
**E01B 5/02** (2013.01 - EP US); **E01B 19/003** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**WO 9630592 A1 19961003**; AT 411176 B 20031027; AT A52795 A 20030315; AU 4708096 A 19961016; AU 690815 B2 19980430; BR 9607852 A 19980714; CA 2215962 A1 19961003; CA 2215962 C 20010529; CN 1183820 A 19980603; CZ 290175 B6 20020612; CZ 299797 A3 19980218; DE 59607133 D1 20010726; EP 0815324 A1 19980107; EP 0815324 B1 20010620; ES 2160227 T3 20011101; HU 222945 B1 20040128; HU P9801399 A2 19980928; HU P9801399 A3 20010528; JP 3238707 B2 20011217; JP H11502577 A 19990302; PL 181772 B1 20010928; PL 322359 A1 19980119; RO 117716 B1 20020628; UA 28097 C2 20001016; US 6170755 B1 20010109

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