

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

(51) International Patent Classification 6 : E01B 9/60, 9/62	A1	(11) International Publication Number: WO 99/63160 (43) International Publication Date: 9 December 1999 (09.12.99)
(21) International Application Number: PCT/GB99/01705 (22) International Filing Date: 28 May 1999 (28.05.99) (30) Priority Data: 9811591.8 30 May 1998 (30.05.98) GB (71)(72) Applicant and Inventor: PENNY, Charles [GB/GB]; 27 Victoria Park Road, Malvern, Worcestershire WR14 2JX (GB). (74) Agents: FEAJKINS, Graham, Allan et al.; Raworth Moss & Cook, 36 Sydenham Road, Croydon, Surrey CR0 2BF (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. With amended claims.
(54) Title: RAILWAY OR TRAMWAY RAIL AND RAIL FASTENING SYSTEM		
(57) Abstract		
A railway or tramway rail fastening system includes a shell (2) and a resilient fill (4) within the shell for holding a rail (1), the shell having an inner profile open channel form to receive the rail, the inner profile being shaped to hold firmly, through the fill (4), the head and base region and/or an intermediate portion of the rail. The arrangement is such that pinch points are produced which hold the rail in place.		