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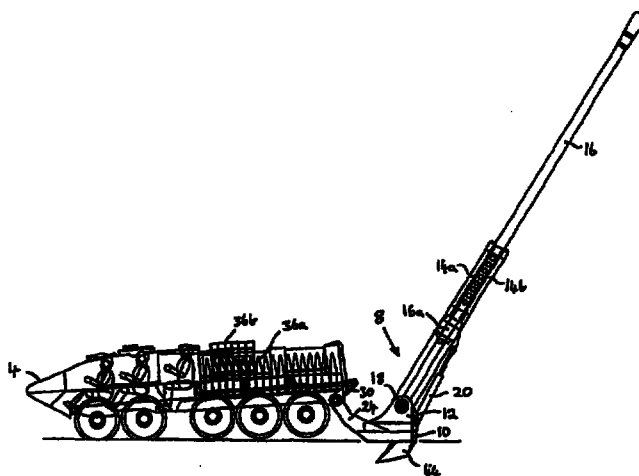
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(21) International Application Number: PCT/GB99/03234 (22) International Filing Date: 29 September 1999 (29.09.99) (30) Priority Data: 9822010.6 8 October 1998 (08.10.98) GB (71) Applicant (for all designated States except US): MARCONI MARINE (VSEL) LIMITED [GB/GB]; Barrow in Furness, Cumbria LA14 1AF (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): BEAN, Mervyn, Leslie [GB/GB]; 30 Innfield Gardens., Abbey Road, Barrow in Furness, Cumbria LA13 9JW (GB). HERBERT, Frederick [GB/GB]; 70 Blackbuts Lane, Barrow in Furness, Cumbria LA14 3JZ (GB). EAGLESTONE, David, Andrew [GB/GB]; 1 North Cottage, Millwood, Barrow in Furness, Cumbria LA13 0PD (GB). (74) Agent: HOSTE, Colin, Francis; GEC Patent Dept., Waterhouse Lane, Chelmsford, Essex CM1 2QX (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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 <i>With international search report.</i>

(54) Title: **SELF PROPELLED GUN**



(57) Abstract

A self propelled gun (2) comprises a vehicle (4) possessing a source of primary power (6) and a gun assembly (8) movably attached to the vehicle. The gun assembly (8) comprises a base (10), a cradle (14) pivotally mounted to the base and a barrel (16) slidably mounted to the cradle (14) such as to be displaceable from a first, run-out, position to a second, recoiled, position as a consequence of the barrel (16) recoiling on firing. The gun assembly (8) is movably mounted to the vehicle (4), preferably by a pivot arrangement (24, 26) between vehicle (4) and base (10), such that in a first, "mobility", mode the gun assembly (8) is free of any direct contact with the ground (42), and said barrel (16) points in a first direction allowing said vehicle (4) to be driven and a second, "firing", mode of operation in which the gun assembly is deployed to a firing position in which the base moves towards and into engagement with the ground (42). During deployment of the gun assembly (8) the barrel (16) is deployable through an angle of elevation which differs from said first direction by at least ninety degrees.