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(21) International Application Number: PCT/AU95/00135 (22) International Filing Date: 15 March 1995 (15.03.95) (30) Priority Data: PM 4489 15 March 1994 (15.03.94) AU (71) Applicant (for all designated States except US): KINETIC LIMITED [AU/AU]; 9 Clarke Street, Dunsborough, W.A. 6281 (AU). (72) Inventor; and (75) Inventor/Applicant (for US only): HEYRING, Christopher, Brian [AU/AU]; 11 Fern Road, Eagle Bay, W.A. 6281 (AU). (74) Agent: WATERMARK PATENT & TRADEMARK ATTORNEYS; Durack Centre, 4th floor, 263 Adelaide Terrace, East Perth, W.A. 6000 (AU).		(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TT, UA, US, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG). Published <i>With international search report.</i>

(54) Title: SUSPENSION WITH INTERCONNECTED TORSION BARS**(57) Abstract**

A vehicle suspension system wherein forward wheel assemblies (1, 2) and rear wheel assemblies (3-4) support resiliently a vehicle body (5). Said wheel assemblies (1, 2, 3, 4) are interconnected by torsion bars (11, 12) (13, 14) (15, 16) and (17, 18) themselves interconnected by gearing or linkage to contra rotate the bars, the arrangement is such that when one wheel moves vertically the adjacent wheels are induced to move in the opposite direction through contra rotation of adjacent torsion bar pairs. Rotatable gear carriers (33, 34) between torsion bar pairs (17, 18) and (13, 14), respectively, are interconnected by a link (35) so that the average movement of the wheel assemblies on one side is induced to the wheel assemblies on the other side of the vehicle to reduce roll.

