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(21) International Application Number: PCT/US99/15526 (22) International Filing Date: 9 July 1999 (09.07.99) (30) Priority Data: 09/112,713 9 July 1998 (09.07.98) US (71) Applicant: OWEN OIL TOOLS, INC. [US/US]; 8900 Forum Way, Fort Worth, TX 76140 (US). (72) Inventors: WESSON, David, S.; 1412 Country Ridge Drive, DeSoto, TX 75115 (US). SHEWCHENKO, Don; 4220 Kirkland Court, Fort Worth, TX 76109 (US). ROLLINS, James; 3941 Weyburn Drive, Fort Worth, TX 76109 (US). ANDRICH, Lile; 1519 Berkeley Drive, Mansfield, TX 76063 (US). (74) Agents: GUNTER, Charles D. et al.; Suite 1600, 201 Main Street, Fort Worth, TX 76102-3105 (US).		(81) Designated States: AU, CA, NO, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>Without international search report and to be republished upon receipt of that report.</i>

(54) Title: FULL BORE GUN SYSTEM**(57) Abstract**

A tubing conveyed perforating apparatus (160) is shown which includes a tubular assembly made up of a plurality of tubular sections (161, 163, 165). A plurality of explosive charges (175) are located within the interior bore of at least two of the tubular sections of the tubular assembly. A firing head is carried on the tubular assembly for detonating the explosive charges (175) to perforate a surrounding well bore. The firing head has a concentric detonator arrangement (205, 209, 211, 214) within a hollow central bore (170). The explosive charges (175) are held within the interior bore of the tubular section by a support (179). The explosive charges (175) and charge support (179) are comprised of materials which disintegrate upon detonation of the explosive charges, whereby the interior bore of the tubular assembly is fully open after detonation.

