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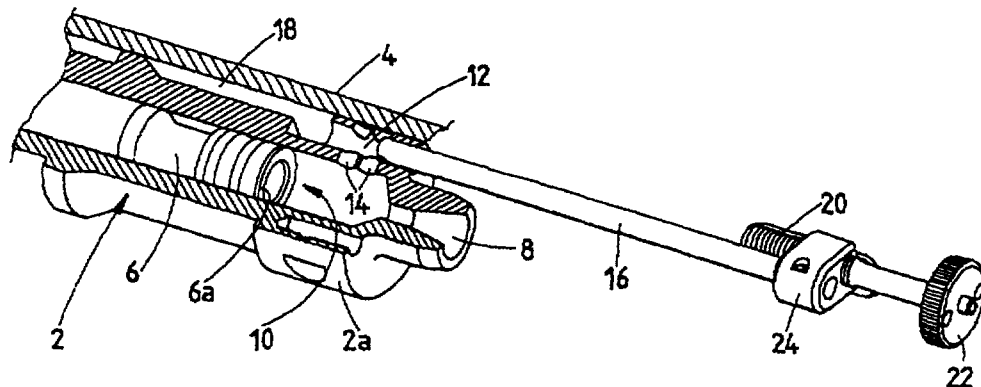
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B25C 1/14, 1/18		A1	(11) International Publication Number: WO 97/13620
			(43) International Publication Date: 17 April 1997 (17.04.97)
(21) International Application Number: PCT/AU96/00590		(81) Designated States: AU, JP, KR, NZ, SG, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 18 September 1996 (18.09.96)			
(30) Priority Data: PN 5858 9 October 1995 (09/10.95)		Published With international search report.	
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(54) Title: POWER ACTUATED TOOLS WITH POWER ADJUSTMENT MEANS



(57) Abstract

According to the present invention there is provided an explosively-actuated tool for use in setting fasteners into a substrate, comprising a barrel (2), a driving piston (6) mounted within the barrel for driving the fastener into a substrate upon detonation of an explosive charge positioned at or adjacent the rear of the barrel, a firing chamber (8) defined in the barrel rearwardly of the piston, and means for controlling the power of the tool by controlled venting of combustion gases from the firing chamber, said power control means comprising an exhaust port arrangement (14) leading from the firing chamber through the wall of the barrel, and a control member (16) for controlling the effective open area of the exhaust port arrangement. Particularly advantageously, the end of the control rod is provided with a concave arcuate control edge (16b) which provides a relatively uniform relationship between displacement of the control rod and the degree of opening of the exhaust port arrangement. Such a control edge can be formed by a simple chamfer at the end of a cylindrical control rod (16) with the passage also being cylindrical.