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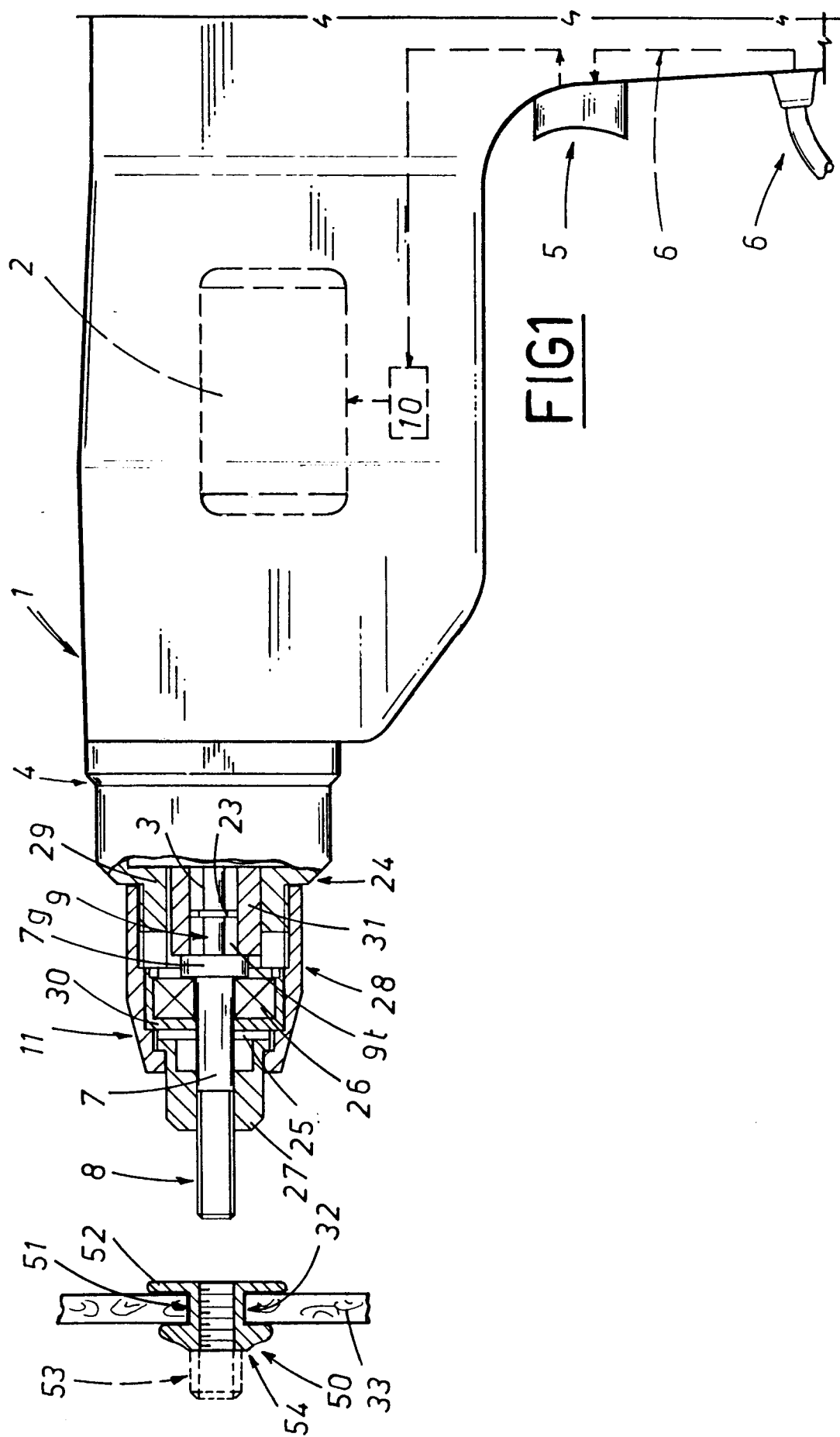
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Tool for the application of internally threaded hollow inserts.

In a power screwdriver-drill for clinching hollow cylindrical inserts (50) with a flanged end (52) and an internally threaded end (53) interconnected by an collapsible centre section (54), use is made of an interchangeable bolt (7) having one end (8) threaded to match the internal thread of the insert and coupled coaxially by the remaining end (9) to a prismatic spindle (3). The motor (2) is governed by an electronic monitoring and control unit (10) wired into the power supply line (6) between the on-off switch (5) and the motor, which regulates the input voltage to a value reflecting the maximum torque requirement and comprises a transducer (13) of which the output signal, a continuous voltage proportional to the current absorbed by the motor, is used to pilot a device (14) capable of inverting the polarity of the power supply to the motor (2), and thus automatically reversing its direction of rotation, on sensing a current equal to or greater than that absorbed by the windings when sufficient power is developed to give optimum upsetting and clinching torque at the spindle (3).





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EUROPEAN SEARCH REPORT

Application Number

EP 91 83 0054

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	US-A-4 858 312 (R. VAN NAARDEN) * column 2, line 41 - column 3, line 36 * * figures 1,2 * ---	1-11	B25B23/147 B25B27/00
Y	GB-A-2 098 528 (DESOUTTER LTD) * page 2, line 79 - line 123 * * page 3, line 38 - line 46; figures 1,5 * ---	1-4,6, 8-11	
Y	US-A-3 008 598 (A. MARTIN) * column 3, line 63 - column 4, line 3 * * figure 8 * -----	5,7	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B25B G05D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15 OCTOBER 1991	Examiner VIBERG S.O.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			